

# Philip M. Hurvitz

Research Scientist

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## 1 Employment

*University of Washington*

Research Scientist (Center for Studies in Demography & Ecology)	2019-present
Research Assistant Professor (Department of Urban Design and Planning)	2011-2019
Research Associate (Department of Urban Design and Planning)	2010-2011

## 2 Education

<i>University of Washington</i> , PhD, Urban Design and Planning	2010
<i>University of Washington</i> , MFR, Forest Resource Management	1994
<i>Seattle University</i> , BA, Humanities	1983

## 3 Peer-reviewed Journal Articles

1. Min Y, Lee HW, **Hurvitz PM**. Clean energy justice: Different adoption characteristics of underserved communities in rooftop solar and electric vehicle chargers in seattle. *Energy Research and Social Science*. 2023;96:102931. doi:[10.1016/j.erss.2022.102931](https://doi.org/10.1016/j.erss.2022.102931).
2. Kim B, Barrington WE, Dobra A, Rosenberg D, **Hurvitz PM**, Belza B. Mediating role of walking between perceived and objective walkability and cognitive function in older adults. *Health and Place*. 2023;79:102943. doi:[10.1016/j.healthplace.2022.102943](https://doi.org/10.1016/j.healthplace.2022.102943).
3. Bjornson KF, Fatone S, Orendurff M, Zhou C, **Hurvitz PM**, Shippen G. Individualized orthotic alignment and footwear for balance and mobility in children with bilateral spastic cerebral palsy: A randomized trial. *Developmental Medicine & Child Neurology*. 2023. doi:[10.1111/DMCN.15675](https://doi.org/10.1111/DMCN.15675).
4. Duncan GE, Sun F, Avery AR, **Hurvitz PM**, Moudon AV, Tsang S, et al. [Cross-sectional study of location-based built environments, physical activity, dietary intake, and body mass index in adult twins](#). *International Journal of Environmental Research and Public Health*. 2023;20.
5. Rhew IC, **Hurvitz PM**, Lyles-Riebli R, Lee CM. Geographic ecological momentary assessment methods to examine spatio-temporal exposures associated with marijuana use among young adults: A pilot study. *Spatial and Spatio-temporal Epidemiology*. 2022;41:100479. doi:[10.1016/j.sste.2022.100479](https://doi.org/10.1016/j.sste.2022.100479).
6. Saelens BE, **Hurvitz PM**, Zhou C, Colburn T, Marchese A, Moudon AV. [Impact of a light rail transit line on physical activity: Findings from the longitudinal travel assessment and community \(TRAC\) study](#). *Journal of Transport & Health*. 2022;27:101527.
7. Rhew IC, Guttmanova K, Kilmer JR, Fleming CNB, Hultgren B, Dilley JA, et al. Associations of cannabis retail outlet availability and neighborhood disadvantage with cannabis use and related risk factors among young adults in washington state. *Drug and Alcohol Dependence*. 2022;232:109332.

8. Park Y, Quinn JW, **Hurvitz PM**, Hirsch JA, Goldsmith J, Neckerman KM, et al. Addressing patient's unmet social needs: Disparities in access to social services in the united states from 1990 to 2014, a national times series study. *BMC Health Services Research*. 2022;22:1–12. doi:[10.1186/s12913-022-07749-1](https://doi.org/10.1186/s12913-022-07749-1).
9. Cruz M, Drewnowski A, Bobb JF, **Hurvitz PM**, Moudon AV, Cook AJ, et al. Differences in weight gain following residential relocation in the moving to health (M2H) study. *Epidemiology*. 2022;33:747–55. doi:[10.1097/EDE.0000000000001505](https://doi.org/10.1097/EDE.0000000000001505).
10. Kerfeld CI, **Hurvitz PM**, Bjornson KF. [Physical activity measurement in children who use mobility assistive devices : Accelerometry and global positioning system](#). *Pediatric Physical Therapy*. 2021;1–8.
11. Duncan GE, **Hurvitz PM**, Moudon AV, Avery AR, Tsang S. Measurement of neighborhood-based physical activity bouts. *Health and Place*. 2021;70:102595. doi:[10.1016/j.healthplace.2021.102595](https://doi.org/10.1016/j.healthplace.2021.102595).
12. Shi X, Moudon AV, **Hurvitz PM**, Mooney SJ, Zhou C, Saelens BE. Does improving stop amenities help increase bus rapid transit ridership? Findings based on a quasi-experiment. *Transportation Research Interdisciplinary Perspectives*. 2021;10:100323. doi:[10.1016/j.trip.2021.100323](https://doi.org/10.1016/j.trip.2021.100323).
13. Dalmat RR, Mooney SJ, **Hurvitz PM**, Zhou C, Moudon AV, Saelens BE. Walkability measures to predict the likelihood of walking in a place: A classification and regression tree analysis. *Health & Place*. 2021;72:102700. doi:[10.1016/j.healthplace.2021.102700](https://doi.org/10.1016/j.healthplace.2021.102700).
14. Robinson JRM, Phipps AI, Barrington WE, **Hurvitz PM**, Sheppard L, Malen RC, et al. [Associations of household income with health-related quality of life following a colorectal cancer diagnosis varies with neighborhood socioeconomic status](#). *Cancer Epidemiology Biomarkers & Prevention*. 2021;1:1366–74.
15. Brooks MS, Bennett A, Lovasi GS, **Hurvitz PM**, Colabianchi N, Howard VJ, et al. Matching participant address with public records database in a US national longitudinal cohort study. *SSM - Population Health*. 2021;15:100887. doi:[10.1016/j.ssmph.2021.100887](https://doi.org/10.1016/j.ssmph.2021.100887).
16. Garg PK, Platt JM, Hirsch JA, **Hurvitz PM**, Rundle AG, Biggs ML, et al. Association of neighborhood physical activity opportunities with incident cardiovascular disease in the cardiovascular health study. *Health & Place*. 2021;70:102596. doi:[10.1016/j.healthplace.2021.102596](https://doi.org/10.1016/j.healthplace.2021.102596).
17. Besser LM, Lovasi GS, Michael YL, Garg P, Hirsch JA, Siscovick D, et al. Associations between neighborhood greenspace and brain imaging measures in non-demented older adults: The cardiovascular health study. *Social Psychiatry and Psychiatric Epidemiology*. 2021;56:1575–85. doi:[10.1007/s00127-020-02000-w](https://doi.org/10.1007/s00127-020-02000-w).
18. Buszkiewicz JH, Bobb JF, Kapos F, **Hurvitz PM**, Arterburn D, Moudon AV, et al. Differential associations of the built environment on weight gain by sex and race/ethnicity but not age. *International Journal of Obesity*. 2021;45:2648–56. doi:[10.1038/s41366-021-00937-9](https://doi.org/10.1038/s41366-021-00937-9).
19. Rhew IC, Duckworth JC, **Hurvitz PM**, Lee CM. Within- and between-person associations of neighborhood poverty with alcohol use and consequences: A monthly study of young adults. *Drug and Alcohol Dependence*. 2020;212:108068. doi:[10.1016/j.drugalcdep.2020.108068](https://doi.org/10.1016/j.drugalcdep.2020.108068).
20. Mooney SJ, **Hurvitz PM**, Moudon AV, Zhou C, Dalmat RR, Saelens BE. Residential neighborhood features associated with objectively measured walking near home: Revisiting walkability using the automatic context measurement tool (ACMT). *Health and Place*. 2020;63:1–8. doi:[10.1016/j.healthplace.2020.102332](https://doi.org/10.1016/j.healthplace.2020.102332).

21. Jones-Smith JC, Walkinshaw LP, Oddo V, Knox M, Neuhouser ML, Hurvitz PM, et al. Impact of a sweetened beverage tax on beverage prices in seattle, WA. *Economics and Human Biology*. 2020. doi:[10.1016/j.ehb.2020.100917](https://doi.org/10.1016/j.ehb.2020.100917).
22. Brown JR, Hirsch JA, Judd SE, **Hurvitz PM**, Howard VJ, Safford M, et al. [The association of neighborhood medical facilities with aging in place and risk of incident myocardial infarction](#). *Journal of Aging and Health*. 2020;33:227–36.
23. Mooney SJ, Bobb JF, **Hurvitz PM**, Anau J, Theis MK, Drewnowski A, et al. [Impact of built environments on body weight \(the moving to health study\): Protocol for a retrospective longitudinal observational study](#). *JMIR Res Protoc*. 2020;9:1–14.
24. Buszkiewicz JH, Rose C, Gupta S, Ko LK, Mou J, Moudon AV, et al. [A cross-sectional analysis of physical activity and weight misreporting in diverse populations: The seattle obesity study III](#). *Obesity Science and Practice*. 2020;6:15–27.
25. Buszkiewicz JH, Bobb JF, **Hurvitz PM**, Arterburn DE, Moudon AV, Cook AJ, et al. Does the built environment have independent obesogenic power? Urban form and trajectories of weight gain. *International Journal of Obesity*. 2020. doi:[10.1038/s41366-021-00836-z](https://doi.org/10.1038/s41366-021-00836-z).
26. Scully JY, Moudon AV, **Hurvitz PM**, Aggarwal A, Drewnowski A. [A time-based objective measure of exposure to the food environment](#). *International Journal of Environmental Research and Public Health*. 2019;16:14.
27. Muni K, Kobusingye O, Hughes JP, Mock C, **Hurvitz PM**, Guthrie B. Motorcycle taxi programme is associated with reduced risk of road traffic crash among motorcycle taxi drivers in kampala, uganda. *International Journal of Injury Control and Safety Promotion*. 2019;26:294–301. doi:[10.1080/17457300.2019.1594952](https://doi.org/10.1080/17457300.2019.1594952).
28. Drewnowski A, Aggarwal A, Rose CM, Gupta S, Delaney JA, **Hurvitz PM**. Activity space metrics not associated with sociodemographic variables, diet or health outcomes in the seattle obesity study II. *Spatial and Spatio-temporal Epidemiology*. 2019;30:7. doi:[10.1016/j.sste.2019.100289](https://doi.org/10.1016/j.sste.2019.100289).
29. Eisenberg-Guyot J, Moudon AV, **Hurvitz PM**, Mooney SJ, Whitlock KB, Saelens BE. Beyond the bus stop: Where transit users walk. *Journal of Transport & Health*. 2019;14:100604. doi:[10.1016/j.jth.2019.100604](https://doi.org/10.1016/j.jth.2019.100604).
30. Moudon AV, Huang R, Stewart OT, Cohen-cline H, Noonan C, **Hurvitz PM**, et al. Probabilistic walking models using built environment and sociodemographic predictors. *Population Health Metrics*. 2019;17:1–11.
31. Drewnowski A, Arterburn DE, Zane J, Aggarwal A, Gupta S, **Hurvitz PM**, et al. The moving to health (M2H) approach to natural experiment research: A paradigm shift for studies on built environment and health. *SSM - Population Health*. 2019;7:100345. doi:[10.1016/j.ssmph.2018.100345](https://doi.org/10.1016/j.ssmph.2018.100345).
32. Kang M, Moudon AV, **Hurvitz PM**, Saelens BE. Capturing fine-scale travel behaviors: A comparative analysis between personal activity location measurement system (PALMS) and travel diary. *International Journal of Health Geographics*. 2018;17:40. doi:[10.1186/s12942-018-0161-9](https://doi.org/10.1186/s12942-018-0161-9).
33. Duncan GE, Avery A, **Hurvitz PM**, Moudon AV, Tsang S, Turkheimer E. Cohort profile: TWINS study of environment, lifestyle behaviours and health. *International Journal of Epidemiology*. 2019;48:1041–1041h. doi:[10.1093/ije/dyy224](https://doi.org/10.1093/ije/dyy224).

34. Muni K, Kobusingye O, Mock C, Hughes JP, **Hurvitz PM**, Guthrie B. [Motorcycle taxi program increases safe riding behaviors among its drivers in kampala, uganda](#). *Injury Prevention*. 2020;26:5–10.
35. Goh CE, Mooney SJ, Siscovick DS, Lemaitre RN, **Hurvitz PM**, Sotoodehnia N, et al. Medical facilities in the neighborhood and incidence of sudden cardiac arrest. *Resuscitation*. 2018;130:118–23. doi:[10.1016/j.resuscitation.2018.07.005](#).
36. Mooney SJ, Lemaitre RN, Siscovick DS, **Hurvitz PM**, Goh CE, Kaufman TK, et al. Neighborhood food environment, dietary fatty acid biomarkers, and cardiac arrest risk. *Health and Place*. 2018;53:128–34. doi:[10.1016/j.healthplace.2018.08.004](#).
37. Kang B, Moudon AV, **Hurvitz PM**, Saelens BE. Differences in behavior, time, location, and built environment between objectively measured utilitarian and recreational walking. *Transportation Research Part D: Transport and Environment*. 2017;57:185–94. doi:[10.1016/j.trd.2017.09.026](#).
38. Kang B, Moudon AV, **Hurvitz PM**, Saelens BE. Increased walking's additive and no substitution effect on total physical activity. *Medicine & Science in Sports & Exercise*. 2017;50:468–75. doi:[10.1249/MSS.0000000000001450](#).
39. Scully JY, Moudon AV, **Hurvitz PM**, Aggarwal A, Drewnowski A. [GPS or travel diary: Comparing spatial and temporal characteristics of visits to fast food restaurants and supermarkets](#). *PLoS One*. 2017;12:1–13.
40. Quistberg DA, Howard EJ, **Hurvitz PM**, Moudon AV, Ebel BE, Rivara FP, et al. The relationship between objectively measured walking and risk of pedestrian - motor vehicle collision. *American Journal of Epidemiology*. 2017;185:810–21. doi:[10.1093/cercor/bhw393](#).
41. James P, Hart JE, Hipp JA, Mitchell JA, Kerr J, **Hurvitz PM**, et al. [GPS-based exposure to greenness and walkability and accelerometry-based physical activity](#). *Cancer Epidemiol Biomarkers Prev*. 2017;26:525–32.
42. Hwang L-D, **Hurvitz PM**, Duncan GE. Cross sectional association between spatially measured walking bouts and neighborhood walkability. *International Journal of Environmental Research and Public Health*. 2016;13:1–11.
43. Walker SC, **Hurvitz PM**, Leith J, Rodriguez FI, Endler GC. Evidence-based program service deserts: A geographic information systems (GIS) approach to identifying service gaps for state-level implementation planning. *Administration and Policy in Mental Health and Mental Health Services Research*. 2016;43:850–60. doi:[10.1007/s10488-016-0743-4](#).
44. Drewnowski A, Aggarwal A, Tang W, **Hurvitz PM**, Scully JY, Stewart OT, et al. Obesity, diet quality, physical activity, and the built environment: The need for behavioral pathways. *BMC Public Health*. 2016;16:1–12. doi:[10.1186/s12889-016-3798-y](#).
45. James P, Jankowska M, Marx C, Hart JE, Berrigan DA, Kerr J, et al. "Spatial energetics" integrating data from GPS, accelerometry, and GIS to address obesity and inactivity. *American Journal of Preventive Medicine*. 2016;51:792–800. doi:[10.1016/j.amepre.2016.06.006](#).
46. Kang B, Scully JY, Stewart OT, **Hurvitz PM**, Moudon AV. Split-match-aggregate (SMA) algorithm: Integrating sidewalk data with transportation network data in GIS. *International Journal of Geographical Information Science*. 2015;29:440–53. doi:[10.1080/13658816.2014.981191](#).

47. Jiao J, Moudon AV, Kim SY, **Hurvitz PM**, Drewnowski A. Health implications of adults' eating at and living near fast food or quick service restaurants. *Nutrition & Diabetes*. 2015;5:e171. doi:[10.1038/nutd.2015.18](https://doi.org/10.1038/nutd.2015.18).
48. Baek S-R, Moudon AV, Saelens BE, Kang B, **Hurvitz PM**, Bae C-HC. [Comparisons of physical activity and walking between korean immigrant and white women in king county, WA](#). *Journal of Immigrant and Minority Health*. 2015;18:1541–6.
49. Quistberg DA, Ebel BE, **Hurvitz PM**, Howard EJ, Moudon AV, Saelens BE, et al. Walking route safety and objectively measured walking: A multilevel analysis. *Injury Prevention*. 2015;21:A15.1–A15. doi:[10.1136/injuryprev-2015-041654.41](https://doi.org/10.1136/injuryprev-2015-041654.41).
50. Quistberg DA, Howard EJ, Ebel BE, Moudon AV, Saelens BE, **Hurvitz PM**, et al. Multilevel models for evaluating the risk of pedestrian-motor vehicle collisions at intersections and mid-blocks. *Accident Analysis & Prevention*. 2015;84:99–111. doi:[10.1016/j.aap.2015.08.013](https://doi.org/10.1016/j.aap.2015.08.013).
51. Stewart OT, Carlos HA, Lee C, Berke EM, **Hurvitz PM**, Li L, et al. [Secondary GIS built environment data for health research: Guidance for data development](#). *Journal of Transport & Health*. 2015;3:529–39.
52. Berrigan DA, Hipp JA, **Hurvitz PM**, James P, Jankowska MM, Kerr J, et al. Geospatial and contextual approaches to energy balance and health. *Annals of GIS*. 2015;21:157–69.
53. **Hurvitz PM**, Moudon AV, Kang B, Saelens BE, Duncan GE. Emerging technologies for assessing physical activity behaviors in space and time. *Frontiers in Public Health*. 2014;2:15. doi:[10.3389/fpubh.2014.00002](https://doi.org/10.3389/fpubh.2014.00002).
54. Saelens BE, Moudon AV, Kang B, **Hurvitz PM**, Zhou C. Relation between higher physical activity and public transit use. *American journal of public health*. 2014;104:854–9. doi:[10.2105/AJPH.2013.301696](https://doi.org/10.2105/AJPH.2013.301696).
55. **Hurvitz PM**, Moudon AV, Kang B, Fesinmeyer MD, Saelens BE. How far from home? The locations of physical activity in an urban u.s. setting. *Preventive Medicine*. 2014;69:181–6.
56. Drewnowski A, Aggarwal A, Rehm CD, Cohen-Cline H, **Hurvitz PM**, Moudon AV. Environments perceived as obesogenic have lower residential property values. *American Journal of Preventive Medicine*. 2014;47:260–74. doi:[10.1016/j.amepre.2014.05.006](https://doi.org/10.1016/j.amepre.2014.05.006).
57. Duncan GE, Mills B, Strachan E, **Hurvitz PM**, Huang R, Moudon AV, et al. Stepping towards causation in studies of neighborhood and environmental effects: How twin research can overcome problems of selection and reverse causation. *Health & Place*. 2014;27:106–11. doi:[10.1016/j.healthplace.2014.02.008](https://doi.org/10.1016/j.healthplace.2014.02.008).
58. Aggarwal A, Cook AJ, Jiao J, Seguin RA, Moudon AV, **Hurvitz PM**, et al. Access to supermarkets and fruit and vegetable consumption. *American Journal of Public Health*. 2014;104:917–23. doi:[10.2105/AJPH.2013.301763](https://doi.org/10.2105/AJPH.2013.301763).
59. Kang B, Moudon AV, **Hurvitz PM**, Reichley L, Saelens BE. Walking objectively measured: Classifying accelerometer data with GPS and travel diaries. *Medicine and Science in Sports and Exercise*. 2013;45:1419–28. doi:[10.1249/MSS.0b013e318285f202](https://doi.org/10.1249/MSS.0b013e318285f202).
60. Drewnowski A, Aggarwal A, **Hurvitz PM**, Monsivais P, Rehm CD, Moudon AV. Drewnowski et al. respond. *American journal of public health*. 2013;103:e2–3. doi:[10.2105/AJPH.2012.301098](https://doi.org/10.2105/AJPH.2012.301098).

61. Moudon AV, Drewnowski A, Duncan GE, **Hurvitz PM**, Saelens BE, Scharnhorst E. Characterizing the food environment: Pitfalls and future directions. *Public health nutrition*. 2013;16:1238–43. doi:10.1017/S1368980013000773.
62. **Hurvitz PM**, Moudon AV. Home versus nonhome neighborhood: Quantifying differences in exposure to the built environment. *American journal of preventive medicine*. 2012;42:411–7. doi:10.1016/j.amepre.2011.11.015.
63. Rehm CD, Moudon AV, **Hurvitz PM**, Drewnowski A. Residential property values are associated with obesity among women in king county, WA, USA. *Social science & medicine*. 2012;75:491–5. doi:10.1016/j.socscimed.2012.03.041.
64. Drewnowski A, Aggarwal A, **Hurvitz PM**, Monsivais P, Moudon AV. Obesity and supermarket access: Proximity or price? *American journal of public health*. 2012;e1–7. doi:10.2105/AJPH.2012.300660.
65. Jiao J, Moudon AV, Ulmer J, **Hurvitz PM**, Drewnowski A. How to identify food deserts: Measuring physical and economic access to supermarkets in king county, washington. *American journal of public health*. 2012;1–8. doi:10.2105/AJPH.2012.300675.
66. Moudon AV, Lin L, Jiao J, **Hurvitz PM**, Reeves P. The risk of pedestrian injury and fatality in collisions with motor vehicles, a social ecological study of state routes and city streets in king county, washington. *Accident analysis & prevention*. 2011;43:11–24. doi:10.1016/j.aap.2009.12.008.
67. Moudon AV, Cook AJ, Ulmer J, **Hurvitz PM**, Drewnowski A. A neighborhood wealth metric for use in health studies. *American journal of preventive medicine*. 2011;41:88–97. doi:10.1016/j.amepre.2011.03.009.
68. Bassok A, **Hurvitz PM**, Bae CC, Larson T. Measuring neighbourhood air pollution: The case of seattle’s international district. *Journal of environmental planning and management*. 2010;53:23–39. doi:10.1080/09640560903399640.
69. **Hurvitz PM**, Moudon AV, Aggarwal A, Drewnowski A. Proximity to food stores may not predict use. *The FASEB Journal*. 2010;24. [http://www.fasebj.org/cgi/content/meeting\\_abstract/24/1\\_MeetingAbstracts/lb331](http://www.fasebj.org/cgi/content/meeting_abstract/24/1_MeetingAbstracts/lb331).
70. Hughes DC, Andrew A, Denning T, **Hurvitz PM**, Lester J, Beresford S, et al. BALANCE (bioengineering approaches for lifestyle activity and nutrition continuous engagement): Developing new technology for monitoring energy balance in real time. *Journal of diabetes science and technology*. 2010;4:429–34. <http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2864179/&tool=pmcentrez/&rendertype=abstract>.
71. **Hurvitz PM**, Moudon AV, Rehm CD, Streichert L, Drewnowski A. Arterial roads and area socioeconomic status are predictors of fast food restaurant density in king county, WA. *International journal of behavioral nutrition and physical activity*. 2009;6:46. doi:10.1186/1479-5868-6-46.
72. Hughes DC, Andrew A, Chaudhri R, Denning T, Hartung C, **Hurvitz PM**, et al. Balance: Bioengineering approaches for lifestyle activity and nutrition continuous engagement. *Medicine and science in sports and exercise*. 2009;41:45–6. doi:10.1249/01.MSS.0000354702.82122.91.
73. Moudon AV, Lin L, **Hurvitz PM**, Reeves P. Risk of pedestrian collision occurrence: Case control study of collision locations on state routes in king county and seattle, washington.

Transportation research record. 2008;2073:25–38. doi:[10.3141/2073-04](https://doi.org/10.3141/2073-04).

74. Duncan GE, Goldberg J, Noonan C, Moudon AV, **Hurvitz PM**, Buchwald D. [Unique environmental effects on physical activity participation: A twin study](#). PLoS ONE. 2008;3:e2019.
75. Lovasi GS, Moudon AV, Pearson AL, **Hurvitz PM**, Larson EB, Siscovick DS, et al. [Using built environment characteristics to predict walking for exercise](#). International journal of health geographics. 2008;7:10.
76. Marzluff JM, Millspaugh JJ, **Hurvitz PM**, Handcock MS. Relating resources to a probabilistic measure of space use: Forest fragments and steller’s jays. Ecology. 2004;85:1411–27.

#### 4 Technical Reports

1. Moudon AV, Lin L, **Hurvitz PM**. “Managing pedestrian safety I: injury severity; A multivariate analysis of the severity of injury sustained by pedestrians involved in collisions on state routes in King County, Washington, and a discussion of effective safety,” University of Washington/Washington State Transportation Center (TRAC), Seattle, WA, 55 p, February 2007

#### 5 Peer-reviewed Conference Publications

1. Quistberg DA, Ebel BE, **Hurvitz PM**, Howard EJ, Moudon AV, Saelens BE, Rivara FP. Walking route safety and objectively measured walking: a multilevel analysis. Inj. Prev., vol. 21, no. Suppl 2, pp. A15.1–A15, 2015
2. **Hurvitz PM**, GPS and accelerometer time stamps: proper data handling and avoiding pitfalls. In: Proceedings of The First International Workshop on Smart Cities and Urban Analytics (UrbanGIS) 2015, Seattle, WA, 7 p, 2015.
3. **Hurvitz PM**, Moudon AV, Aggarwal A, Drewnowski A. Proximity to food stores may not predict use. FASEB J., vol. 24, Meeting Abstract Supplement lb331, 2010.
4. Hughes DC, Andrew A, Chaudhri R, Denning T, Hartung C, **Hurvitz PM**, Lester L, Beresford S, Borriello G, Bruemmer B, Moudon AV, Duncan GE. BALANCE: bioengineering approaches for lifestyle activity and nutrition continuous engagement. Med. Sci. Sports Exerc., vol. 41, no. Supplement 1, pp. 45-46, 2009.
5. Lester J, **Hurvitz PM**, Chaudhri R, Hartung C, Borriello G. MobileSense - sensing modes of transportation in studies of the built environment. In: Proceedings of UrbanSense08, 2008, pp. 46-50.
6. Erickson A, Rogers L, **Hurvitz PM**, and Harris J. Challenges and solutions for a regional land use change analysis. In: Proceedings of Esri International User Conference, San Diego, CA, 2006.

#### 6 Conference Presentations

1. Tom, S *et al.* “Life Course Core Update.” Adult Chances in Thought Research Symposium, Washington State Convention Center, Seattle, WA, May 16-17, Seattle, WA
2. **Hurvitz PM**. “R Markdown for OSGEO.” CUGOS Spring Fling 2023, Bill & Melinda Gates Center for Computer Science, University of Washington, Seattle, WA, April 21, 2023

3. **Hurvitz PM**. “Built Environment and Walkability: Data Driven Approaches for Measurement and Analysis.” Seoul Big Data Forum, Seoul City Hall, November 28-29, 2022, Seoul, Republic of Korea
4. **Hurvitz PM**. “Better Practices for Spatial Energetics Data Processing.” Geospatial Approaches to Cancer Control and Population Sciences, National Cancer Institute, Bethesda MD, Sept 15, 2016
5. **Hurvitz PM**. “Installing and Using PostGIS (in 5 minutes or less).” GIS Day, University of Washington, University of Washington Libraries, Seattle, WA, Nov 19, 2014
6. **Hurvitz PM**. “R, PostGIS, and Sweave: Reproducible Research.” CUGOS 2012 Spring Fling, University of Washington, Cascadia Users of Open Source GIS, Seattle, WA, May 16, 2012
7. **Hurvitz PM**, Moudon AV. “Using SmartMaps to Characterize Home and Nonhome Built Environment Exposure.” GIS in Public Health Conference, URISA, Atlanta, GA, June 27-30, 2011
8. **Hurvitz PM**, Moudon AV. “SmartMaps and Built Environment Exposure: Extending Measurement Paradigms.” GIS in Public Health Conference, URISA, Atlanta, GA, June 27-30, 2011
9. **Hurvitz PM**. “R, PostgreSQL, and PostGIS: Techniques for Processing Large Data Sets.” CUGOS 2011 Spring Fling, University of Washington, Cascadia Users of Open Source GIS, Seattle, WA, April 20, 2011
10. **Hurvitz PM**. “Space, Time, and Movement: Integrating High-Resolution GPS, GIS, and Accelerometry for Estimating Built Environment Exposure.” American Association of Geographers Annual Meeting, Seattle, WA, April 12-16, 2011
11. **Hurvitz PM**. “The Global Obesity Epidemic; Built Environment and Obesity: What We (Don’t) Know . . . Yet!” In: The First Canadian Health Care Conference, Jan 21, 2010
12. **Hurvitz PM**, Erickson A, “It’s True! We Registered Sixteen Images in Under Two Hours! Using `itp_find` for Image Registration.” In: Proceedings of Esri International User Conference, San Diego, CA, 2006.
13. **Hurvitz PM**, “The Walkable-Bikeable Communities Analyst Extension for ArcView GIS 3.x.” In: Proceedings of Esri International User Conference, San Diego, CA, 2005.
14. **Hurvitz PM**, “Site License Automation Tools at University of Washington.” In: Proceedings of Esri International User Conference, San Diego, CA, 2001.
15. **Hurvitz PM**, “Securing UNIX Servers with the Secure Shell (ssh).” In: Proceedings of Esri International User Conference, San Diego, CA, 2000.
16. **Hurvitz PM**, “Setting up a Metadata Node for the National Spatial Data Infrastructure.” Northwest Esri User Group Meeting, Sun Valley, ID, 1998.
17. **Hurvitz PM**, “Estimating Municipal Land Capacity: A Parcel-Based Approach.” Northwest Esri User Group Meeting, Seattle, WA, 1997



## 7 Invited Presentations

1. **Hurvitz PM**. “Built Environment and Walkability: Data Driven Approaches for Measurement and Analysis.” University of Seoul, November 30, 2022
2. **Hurvitz PM**. “Built Environment and Behavior: an Approach Based on Objective Data” Urban Design and Planning PhD Symposium, University of Washington, Seattle, WA, May 4, 2017
3. **Hurvitz PM**. “Considering Space and Time in Community Mobility and Participation.” Research Summit IV: Innovations in Technology for Children with Brain Insults: Maximizing Outcomes, The Section on Pediatrics of the American Physical Therapy Association, Alexandria, VA, October 15-17, 2015
4. **Hurvitz PM**. “Built Environment and Physical Activity: Measurement and Analysis Using (Mostly) Objective Approaches.” Biobehavioral Cancer Prevention and Control Fellows Meeting, Fred Hutchinson Cancer Research Center, Seattle, WA, February 13, 2015
5. **Hurvitz PM**. “LifeLogs: High Resolution Space-Time Data using GPS, Accelerometry, Travel Diaries, and GIS for Behavioral Research.” Center for Statistics in Social Sciences Seminar, University of Washington, Seattle, WA, February 4, 2015
6. **Hurvitz PM**, Kang B. “Integration of GPS, Accelerometry, and Travel Diaries to Identify Walking Trips,” Puget Sound Regional Council Interagency Data Sharing Group, Seattle, WA, April 26, 2012
7. **Hurvitz PM**. “Quantifying Built Environment Exposure with Objective High-Resolution Data,” Center for Statistics in Social Sciences Seminar, University of Washington, Seattle, WA, Nov 2, 2011
8. **Hurvitz PM**. “Built Environment and Public Health: Current Research in the Urban Form Lab,” NEXT CITY | NEXT 50: A Celebration in Thinking Forward, College of Built Environments, Seattle, WA, January 29-30, 2010
9. **Hurvitz PM**. “Research Perspectives on Healthy Communities,” Healthy Communities by Design for All Ages, Snohomish County Long Term Care and Aging, Everett, WA September 25, 2009
10. **Hurvitz PM**. “Mapping the Urban Environment,” In: Mapping Poverty and Obesity: A New Research Agenda, University of Washington Exploratory Center for Obesity Research, Seattle, WA, June 20-21, 2008
11. deMontigny L, **Hurvitz PM**, Beyond Mapping,” In: Mapping Poverty and Obesity: A New Research Agenda, University of Washington Exploratory Center for Obesity Research, Seattle, WA, June 20-21, 2008
12. **Hurvitz PM**. “New Methods For Measuring Access To Food Sources,” Research to Policy Briefing with Food Standards, Australia/New Zealand, University of Washington Exploratory Center for Obesity Research, Seattle, WA, September 6, 2007
13. **Hurvitz PM**. “Research in the Urban Form Lab College of Architecture and Urban Planning University of Washington,” Presentation to Kobe University Scholars, University of Washington, Seattle WA, July 13, 2006

14. **Hurvitz PM.** “The Geography of Obesity: Mapping and Modeling in King County,” Third King County Overweight Prevention Initiative Forum: Activate, King County Board of Health, Tukwila, WA, October 14, 2005
15. **Hurvitz PM.** “Introduction to Geographic Information Science,” University of Washington–Bothell, UW Bothell Libraries, September 14, 2005
16. **Hurvitz PM.** “GIS and the Built Environment: An Overview,” GIS and the Geography of Obesity Workshop, University of Washington Exploratory Center for Obesity Research, Seattle, WA, August 3, 2005
17. **Hurvitz PM.** “Extending ArcView’s Spatial Analysis Capabilities,” Data Working Group Meeting, USFS Forestry Sciences Laboratory, Olympia, WA, April 7, 2003
18. **Hurvitz PM.** “GIS and GPS for the Non-Industrial Private Forest,” Washington Farm Forestry Association Forest Owners’ Field Day, University of Washington Pack Forest, WA, April 27, 2002
19. **Hurvitz PM.** “Introduction to GIS for Career Counselors” Science And Natural Resources Pathway Career Counselors Tour, Hood Canal Institute at Theler Wetlands, WA, October 3, 2002
20. **Hurvitz PM.** “GIS Applications in Natural Resource Management,” Common Ground, Common Water Skill Standards Workshop, Hood Canal Institute at Theler Wetlands, November 8, 2001
21. **Hurvitz PM.** “Introduction to Geographic Information Systems and their Potential Uses as Management Tools in Commercial Shellfish Farming,” 55th Annual Conference Pacific Coast Shellfish Growers Association & the National Shellfisheries Association–Pacific Coast Section, Silverdale, WA, September 20-22, 2001

## 8 Workshops

1. **Hurvitz PM** and Muilenburg J. Introduction to the NIH Data Management Plans and Dryad Data Repository. Seattle, WA. May 24, 2023.
2. **Hurvitz PM.** Introduction to the Unix Shell. Seattle, WA. February 23, 2023.
3. **Hurvitz PM.** Introduction to the UW Data Collaborative. Seattle, WA. May 18, 2023.
4. **Hurvitz PM.** Microsoft Word for the Social Sciences. Seattle, WA. October 13, 2022.
5. **Hurvitz PM.** Microsoft Word for the Social Sciences. Seattle, WA. October 15, 2021.
6. **Hurvitz PM.** Introduction to the use of R with Relational Databases. Seattle, WA. April 19, 2021.
7. **Hurvitz PM** and Dunbar M. Introduction to Address Geocoding. Seattle, WA. March 10, 2022.
8. **Hurvitz PM.** Reproducible GIS analysis with R. Seattle, WA. March 3, 2022.
9. **Hurvitz PM.** Reproducible GIS analysis with R. Seattle, WA. January 19, 2021.
10. **Hurvitz PM.** Microsoft Word for the Social Sciences. Seattle, WA. October 20, 2020.
11. **Hurvitz PM.** Microsoft Word for the Social Sciences. Seattle, WA. April 20, 2020.

12. **Hurvitz PM**. Introduction to the use of R with Relational Databases. Seattle, WA. April 13, 2020.
13. **Hurvitz PM**. Reproducible GIS analysis with R. Seattle, WA. February 12, 2020.
14. Berke EM, **Hurvitz PM**, Oliver MN, Bazemore A, Xierali I, “Understanding Geography And Spatial Epidemiology In Primary Care Research: A Hands-on Introduction to Geographic Information Systems,” given at North American Primary Care Research Group 38th Annual Meeting, Seattle, WA, November 13, 2010.
15. Berke EM, **Hurvitz PM**, Oliver MN, Bazemore A, Xierali I, “Mapping Health and Disease I: A Hands-On Introduction to Geographic Information Systems,” given at North American Primary Care Research Group 36th Annual Meeting, San Juan, PR, November 15, 2008.
16. Berke EM, **Hurvitz PM**, Oliver MN, Bazemore A, Xierali I, “Mapping Health and Disease II: A Hands-On Workshop in Intermediate Geographic Information Systems and Concepts in Spatial Epidemiology,” given at North American Primary Care Research Group 36th Annual Meeting, San Juan, PR, November 15, 2008.
17. Oliver MN, Berke EM, Bazemore A, Zhang X, Phillips R, **Hurvitz PM**, “Health and Geography: A Workshop on How to Use Geographic Information Systems in Primary Care Research,” given at North American Primary Care Research Group 35th Annual Meeting, Vancouver, Canada, October 20, 2007.

## 9 Grant Funded Research

### 9.1 NATIONAL CANCER INSTITUTE (NCI)

#### *Structural & Programmatic Effects of Bus Rapid Transit on Physical Activity*

- Grant R01 CA178343, 2016-2019
- PI: Brian Saelens, PhD
- Role: Co-Investigator

Informatics lead on a longitudinal treatment/control study investigating the effect of a new bus rapid transit system on physical activity changes

### 9.2 NATIONAL CENTER FOR RESEARCH RESOURCES

#### *An Exploratory Center for Obesity Research*

- Grant P20 RR020774, 2004-2007
- PI: Adam Drewnowski, PhD
- Role: Research Associate

Wrote and co-led pilot study for real-time sensing of activity and environment using a novel multi-sensing device

### 9.3 NATIONAL INSTITUTE ON AGING (NIA)

#### *Communities Designed to Support Cardiovascular Health for Older Adults*

- Grant R01 AG049970, 2015-2019
- PI: Gina Lovasi, PhD
- Role: Investigator

Designed and implemented spatial databases for a longitudinal study on built environment and cardiovascular disease.

*TWINStudy of Environment, Lifestyle Behaviors, and Health*

- Grant R01 AG042176, 2011-2015
- PI: Glen Duncan, PhD
- Role: Investigator

Development and analysis of GPS, accelerometry, and Smartphone-based system for measurement of location, physical activity, food and exercise behavior, and built environment

9.4 NATIONAL INSTITUTE OF CHILD HEALTH & HUMAN DEVELOPMENT (NICHD)

*Demography Center*

- Grant 5P2 CHD042828-19, 2002-2022
- PI: Sara R. Curran, PhD
- Role: Staff Scientist

Research scientist to support Center for Studies in Demography & Ecology. Director of secure data enclave ([UW Data Collaborative](#))

*Childhood Obesity Treatment: A Maintenance Approach*

- Grant R01 HD036904, 2011-2012
- PI: Denise Wilfley, PhD
- Role: Consultant

Designed a GIS measurement framework for quantifying built environment in residential neighborhoods for a pediatric weight loss intervention study

*Power Training Combined with Interval Treadmill Training to Improve Walking Activity in Cerebral Palsy*

- Grant R01 HD091089, 2018-2023
- PI: Noelle Moreau, PhD, PT
- Role: Investigator

Designed and implemented spatial databases including GPS and StepWatch data for a longitudinal study on physical therapy for children with cerebral palsy.

9.5 NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY DISEASES (NIDDK)

*Food environment, diet quality and disparities in obesity*

- Grant R01 DK076608, 2007-2020
- PI: Adam Drewnowski, PhD
- Role: Investigator

Developed methodologies for measurement of food shopping distances, GPS and travel-diary based assessment of travel and food-related behavior

*Moving to health: how changing built environments impact weight and glycemic control*

- Grant R01 DK114196, 2017-2022

- PI: David Arterburn, MD
- Role: Investigator

Developed methodologies for measurement of built environment for very large Kaiser Permanente of Washington State patient cohort

#### 9.6 NATIONAL HEART, LUNG, AND BLOOD INSTITUTE (NHLBI)

*The effect of light rail transit on physical activity: a natural experiment*

- Grant R01 HL091881, 2008-2013
- PI: Brian Saelens, PhD
- Role: Investigator

Developed automated system for combining GPS, accelerometry, and self-reported travel diary into a single “LifeLog” tabular format for temporal analysis of transportation and physical activity behavior; developed error-checking database system for transcription of travel diary data

*Rural town walkability: measuring the effect of the built environment*

- Grant R01 HL103478, 2010-2013
- PI: Mark Doescher, MD, MSPH
- Role: Investigator

Led data collection and management of GPS, accelerometry, and self-reported travel diary data for a multi-site study on walking behavior in small towns

*BALANCE: Bioengineering Approaches For Lifestyle Activity And Nutrition Continuous Engagement*

- Grant R21 AG032232, 2007-2009
- PI: Glen Duncan, PhD
- Role: Research Associate

Developed a Smartphone-based map interface for displaying healthy food

#### 9.7 NATIONAL INSTITUTE OF NURSING RESEARCH (NINR)

*Efficacy and Mechanism of a Community Wellness Promotion Program for Middle Aged Adults Living with Long Term Physical Disability*

- Grant R01 NR016942, 2018-2023
- PI: Ivan Molton, PhD
- Role: Co-Investigator

Lead for design and analysis of GPS and travel diary on an evidence-based health promotion intervention study for promoting community participation

#### 9.8 PACIFIC NORTHWEST TRANSPORTATION CONSORTIUM (PACTRANS)

*Smartphone-based system for automated detection of walking*

- 2013-2014
- PI: Philip M. Hurvitz, PhD
- Role: Principal Investigator

Development of a Smartphone based method for detecting walking using intervalometric photos, GPS, accelerometry, and other phone-based sensors

#### 9.9 UNIVERSITY OF WASHINGTON ROYALTY RESEARCH FUND

*Validation of new technologies and methodologies for measuring physical activity and location in real time-space*

- Grant January 2007
- PI: Gaetano Borriello, PhD
- Role: Research Associate

Designed and administered study for real-time sensing of activity and environment using a novel multi-sensing device; led to dissertation research

#### 9.10 US DEPARTMENT OF TRANSPORTATION

*I-35 Freight Advanced Traveler Information System (FRATIS) Impacts Assessment*

- Grant DTFH61-12-D-00042, 2016-2018
- PI: Mark Hallenbeck
- Role: Consultant/Analyst

Developed a PostgreSQL/PostGIS system for estimating highway travel time under differing traffic construction delay scenarios

#### 9.11 WASHINGTON DEPARTMENT OF TRANSPORTATION (WSDOT)

*Managing Pedestrian Safety I: Injury Severity: A Multivariate Analysis of the Severity of Injury Sustained by Pedestrians Involved in Collisions on State Routes in King County, Washington, and a Discussion of Effective Safety Intervention and Injury Prevention Policies*

- Grant Agreement T2695 Task 84, 2007-2015
- PI: Anne Moudon, Dr es Sc
- Role: Research Associate

Geocoded car & pedestrian collisions on King County state routes; obtained built environment measures in proximity to collisions using GIS data

## 10 Teaching

#### 10.1 GREEN RIVER COMMUNITY COLLEGE, AUBURN, WA

*Instructor, Autumn 1994-Spring 1996*

- Instructor for GIS 151 (Introduction to the UNIX Operating System; Surface Modeling with GRID & TIN)

Developed a new introductory course for a new GIS program at GRCC Professional program of primarily focused on job retraining

#### 10.2 UNIVERSITY OF WASHINGTON, SEATTLE, WA

*Instructor, Winter, 2021*

- Instructor for CSDE 502: Population Studies Proseminar

*Instructor, Winter, 2020*

- Instructor for CSDE 502: Population Studies Proseminar

*Pre-Doctoral Associate Autumn 2009-Winter 2010*

- Instructor for ESRM 250/CFR 590: Introduction to Geographic Information Systems in Forest Resources

Average course evaluation: 4.1 out of 5

*Teaching Assistant, Autumn 2006*

- UrbDP 479: The Urban Form Assisted instructor Anne Moudon Provided support to students during instructional lab time and via e-mail.

Developed new GIS Analysis module Graded assignments Maintained course web page

*Pre-Doctoral Associate, Summer 2005*

- Instructor for UrbDP 498/598: Introduction to Geographic Information Systems in Natural Resources.

Taught a summer session of an introductory GIS course Undergraduate and graduate sections

*Teaching Assistant Spring 2004*

- UrbDP 422: Urban & Rural Geo-Spatial Analysis Assisted instructor Marina Alberti

Provided support to students during instructional lab time and via e-mail Graded assignments Maintained course web page

*Lecturer, Autumn 1998-Winter 2004*

- Instructor for CFR 250/ESRM 250/CFR 590: Introduction to Geographic Information Systems in Forest Resources.

Developed a new comprehensive introductory course for the technical use of GIS in natural resource management; course became required for all undergraduate majors Undergraduate and graduate sections Average course evaluation: 4.3 out of 5

*Instructor, Winter 2001; Spring 2002*

- Instructor for FM 590: Introduction to GIS Programming with Arc Macro Language (AML)  
Taught an introductory course in GIS programming for Arc/INFO

*Instructor Autumn 1998-Winter 2000*

- Instructor for GEOG CP 105: GIS Analysis: Introduction to Geographic Information Systems Analysis.

Taught an introductory course in GIS analysis for UW Extension Certificate program in GIS aimed at working professionals seeking GIS skills

*Instructor, Autumn 1997-Winter 2000*

- Instructor for CFR 590: Understanding GIS: The ARC/INFO Method.

Taught an course based on the standard Esri introductory workbook for Arc/INFO

### 10.3 DARTMOUTH COLLEGE, HANOVER, NH

*Instructor, April 1-2, 2010*

- ECS 155: The Geography of Health, “Introduction to Geographic Information Systems in Public Health”

*Instructor, April 8-9, 2009*

- ECS 155: The Geography of Health, “Introduction to Geographic Information Systems in Public Health”

*Instructor, April 2-3, 2008*

- ECS 155: The Geography of Health, “Introduction to Geographic Information Systems in Public Health,”

*Instructor April 4-5, 2007*

- ECS 155: The Geography of Health, “Introduction to Geographic Information Systems in Public Health”

### 10.4 COLUMBIA UNIVERSITY

*Instructor June 25-29, 2018*

- Introduction to Geographic Information Systems in Public Health, Epidemiology and Population Health Summer Institute

*Instructor June 26-30, 2017*

- Introduction to Geographic Information Systems in Public Health, Epidemiology and Population Health Summer Institute

*Instructor June 8-12, 2016*

- Introduction to Geographic Information Systems in Public Health, Epidemiology and Population Health Summer Institute

*Teaching Assistant June 1-5, 2015*

- Geographic Information Systems, Epidemiology and Population Health Summer Institute

### 10.5 GUEST LECTURES

1. **Hurvitz PM.** “Built Environment and Walkability: Data Driven Approaches for Measurement and Analysis.” Urban Design & Planning Research Seminar, University of Washington, March 28, 2023
2. **Hurvitz PM.** “Walking: a planning, transportation, and health perspective”, UrbDP 532: Current Topics in Transportation Planning and Policy, University of Washington, Seattle, WA, February 2, 2022
3. **Hurvitz PM.** “Reproducible GIS with R”, CSDE 502 Proseminar, University of Washington, Seattle, WA, November 5, 2021
4. **Hurvitz PM.** “UW Data Collaborative: A New Hub for Innovative Data”, CSDE 502 Proseminar, University of Washington, Seattle, WA, November 5, 2021



5. **Hurvitz PM.** “Walking: a planning, transportation, and health perspective”, UrbDP 532: Current Topics in Transportation Planning and Policy, University of Washington, Seattle, WA, February 2, 2021
6. **Hurvitz PM.** “Technique: Where the Rubber Meets the Road in Scientific Research”, UrbDP 598: Urban Science, University of Washington, Seattle, WA, October 13, 2020
7. **Hurvitz PM.** “Walking: a planning, transportation, and health perspective”, UrbDP 532: Current Topics in Transportation Planning and Policy, University of Washington, Seattle, WA, January 31, 2020
8. **Hurvitz PM.** “UW Data Collaborative: A New Hub for Innovative Data”, CSDE 502: Population Studies Proseminar, University of Washington, Seattle, WA, October 15, 2019
9. **Hurvitz PM.** “Reproducible GIS with R”, CSDE 502: Population Studies Proseminar, University of Washington, Seattle, WA, October 15, 2019
10. **Hurvitz PM.** “Technique: Where the Rubber Meets the Road in Scientific Research”, UrbDP 598: Urban Science, University of Washington, Seattle, WA, October 3, 2019
11. **Hurvitz PM.** “Spatial/racial bias in urban form: Examining evidence”, UrbDP 514: Race and Social Justice, University of Washington, Seattle, WA, May 23, 2019
12. **Hurvitz PM.** “Walking: a planning, transportation, and health perspective”, UrbDP 532: Current Topics in Transportation Planning and Policy, University of Washington, Seattle, WA, January 31, 2019
13. **Hurvitz PM.** “Technique: Where the Rubber Meets the Road in Scientific Research”, UrbDP 598: Urban Science, University of Washington, Seattle, WA, November 15, 2018
14. **Hurvitz PM.** “Document Formatting and Automation for Reporting Research”, UrbDP 512A: Research Seminar, University of Washington, Seattle, WA, November 13, 2018
15. **Hurvitz PM.** “Urban Planning, Health, GIS and ...” PCE GIS Certificate Program, University of Washington, Seattle, WA, May 2, 2018
16. **Hurvitz PM.** “Walking: a planning, transportation, and health perspective” UrbDP 598B: Current Topics in Transportation Planning and Policy, University of Washington, Seattle, WA, January 4, 2018
17. **Hurvitz PM.** “Urban Form Lab Activities” UrbDP 500: Survey of Planning, University of Washington, Seattle, WA, November 20, 2017
18. **Hurvitz PM.** “Document Formatting and Automation for Reporting Research”, UrbDP 512A: Research Seminar, University of Washington, Seattle, WA, November 11, 2017
19. **Hurvitz PM.** “R: A Research Perspective” UrbDP 520A: Quantitative Methods in Urban Design and Planning, University of Washington, Seattle, WA, November 9, 2017
20. **Hurvitz PM.** “Urban Form Lab Research” Institute for built environment innovations, University of Washington, Seattle, WA, October 16, 2017
21. **Hurvitz PM.** “Walking in the (Future) City” BE 405/505: Restructuring for the Future City, University of Washington, Seattle, WA, February 29, 2017

22. **Hurvitz PM.** “From Data to Movement, Behavior, and Health: GIS in Urban Data Science” ARCH 598: Future of the City, University of Washington, Seattle, WA, February 17, 2017
23. **Hurvitz PM.** “Walking: a planning, transportation, and health perspective” UrbDP 598A: Current Topics in Transportation Planning and Policy, University of Washington, Seattle, WA, February 1, 2017
24. **Hurvitz PM.** “Assessing Built Environment and Activity: Real Time Measurement and Analysis at High Spatial and Temporal Resolution” CEE 416: Urban Transportation Planning, University of Washington, Seattle, WA, November 7, 2016
25. **Hurvitz PM.** “Assessing Built Environment and Activity: Real Time Measurement and Analysis at High Spatial and Temporal Resolution” UrbDP 591: Research Design in Urban Science, University of Washington, Seattle, WA, October 10, 2016
26. **Hurvitz PM.** “Dealing with Large Data Sets” UrbDP 591: Research Design in Urban Science, University of Washington, Seattle, WA, October 10, 2016
27. **Hurvitz PM.** “Physical Activity, Nutrition, Built Environment, and Health” EnvH/UrbDP 538: Public Health and Built Environment/Healthy Community Design, University of Washington, Seattle, WA, January 14, 2016
28. **Hurvitz PM.** “Analysis of Travel Diary Data” UrbDP 576 Pedestrian Travel, Land Use, and Urban Form, University of Washington, Seattle, WA, April 18, 2015
29. **Hurvitz PM.** “Walking: a Planning, Transportation, and Health Perspective” UrbDP 598A: Current Topics in Transportation Planning and Policy, University of Washington, Seattle, WA, February 2, 2015
30. **Hurvitz PM.** “Assessing Built Environment and Activity: Real Time Measurement and Analysis at High Spatial and Temporal Resolution” UrbDP 591A Advanced Research Design: Theoretical and Practical Challenges, University of Washington, Seattle, WA, October 9, 2014
31. **Hurvitz PM.** “Measuring Walking” UrbDP 576: Pedestrian Travel, Land Use, and Urban Form, University of Washington, Seattle, WA, April 14, 2014
32. **Hurvitz PM** and J. Y. Scully. “Food-related Behavior: A Spatial Perspective” NUTR 500 Graduate Seminar: Current Issues in Nutrition, University of Washington, Seattle, WA, December 5, 2013
33. **Hurvitz PM.** “Dealing with Large Data Sets” UrbDP 591A Advanced Research Design: Theoretical and Practical Challenges, University of Washington, Seattle, WA, October 17, 2013
34. **Hurvitz PM.** “Analysis of Travel Diary Data” UrbDP 576 Pedestrian Travel, Land Use, and Urban Form, University of Washington, Seattle, WA, April 29, 2013
35. **Hurvitz PM.** “Travel Diary Data Entry” UrbDP 576 Pedestrian Travel, Land Use, and Urban Form, University of Washington, Seattle, WA, April 1, 2013
36. **Hurvitz PM.** “Quantifying the food environment: Concepts and methods,” NUTR 500: Graduate Seminar, Current Issues in Nutrition, University of Washington, Seattle, WA, February 4, 2010

37. **Hurvitz PM.** “Food Access: a Spatial and Temporal Perspective,” NUTR 500 Graduate Seminar: Current Issues in Nutrition, University of Washington, Seattle, WA, January 17, 2013
38. **Hurvitz PM.** “Measures of Access to Quick Service Restaurants,” NUTR 500: Graduate Seminar, Current Issues in Nutrition, University of Washington, Seattle, WA, November 2, 2009
39. **Hurvitz PM.** “Measuring individual space-time movements in the urban environment,” ESRM 250: Introduction to Geographic Information Systems in Forest Resources, University of Washington, Seattle, WA, October 1, 2009
40. **Hurvitz PM.** “New Measures of the Food Environment in Seattle-King County,” NUTR 500: Graduate Seminar, Current Issues in Nutrition, University of Washington, Seattle, WA, February 19, 2009
41. **Hurvitz PM.** “Validating Objective Measures of Physical Activity with a Novel Device,” UrbDP 598: Built Environment & Health, University of Washington, Seattle, WA, January 22, 2008
42. **Hurvitz PM.** “Objective Measures of Physical Activity and Built Environment,” ESRM 250: Introduction to Geographic Information Systems in Forest Resources, University of Washington, Seattle, WA, November 13, 2007
43. **Hurvitz PM.** “Objective Measures of Physical Activity and Built Environment,” UrbDP PhD Colloquium, University of Washington, Seattle, WA, October 23, 2007
44. **Hurvitz PM.** “GIS and Urban Form,” UrbDP 422: The Urban Form, University of Washington, Seattle, WA, October 22, 2007
45. **Hurvitz PM.** “Measuring Physical Activity and Location in Real Time,” MEBI 591B: Public Health Informatics Seminar, University of Washington, Seattle, WA, May 4, 2007
46. **Hurvitz PM.** “Research in the Urban Form Lab College of Architecture and Urban Planning University of Washington,” Green River Community College, Auburn, WA, December 6, 2006
47. **Hurvitz PM.** “Validation of New Technologies and Methodologies for Measuring Physical Activity and Location in Real Time-Space”, UrbDP PhD Colloquium, University of Washington, Seattle, WA, October 10, 2006

#### 10.6 STUDENT ADVISING

<i>Kim, Boeun, PhD</i>	2021
Committee member for PhD student (Nursing). Research topics: Neighborhood environmental effects in Alzheimer’s/dementia	
<i>Min, Yohan</i>	current
Committee member for PhD student (Built Environments). Research topics: Neighborhood environmental effects in use of sustainable electricity technologies	
<i>Robinson, Jamaica, PhD</i>	2020
Committee member for PhD student (Epidemiology). Research topics: Neighborhood environmental effects in colon cancer survival	

<i>Di Simone, Anthony, MUP</i>	2019
Committee member for MUP student. Research topics: Longitudinal treatment/control study of bike share on transit ridership	
<i>Frazier, Jonathan, MUP</i>	2019
Committee member for MUP student.	
<i>Maring "Kennedy" Muni, PhD</i>	2019
Committee member for PhD student (Epidemiology). Research topics: Evaluation of SafeBoda program in Kampala, Uganda.	
<i>Eric Howard, PhC</i>	current
Committee member for PhD student (Urban Design and Planning). Research topics: Quantitative analysis of built environment, transportation, physical activity, walking, air pollution exposure.	
<i>Wei Ding, MUP</i>	2016
Committee member for Master of Urban Planning student. Thesis title: "How built environment and weather impact bike share—evidence from the bike share system Pronto in Seattle."	
<i>Jason Scully, PhD</i>	2016
Committee member for PhD student (Urban Design and Planning). Thesis title: "Human Mobility, Exposure to the Built Environment, and Health."	
<i>Daniel Hwang, MPH</i>	2014
Committee member for Master of Public Health student. Thesis title: "Physical activity and home neighborhood characteristics."	
<i>Stephen Padua, MUP</i>	2013
Committee member for Master of Urban Planning student. Thesis title: "Traffic Calming on Arterial Streets: The Seattle Experience."	
<i>Brian Kertson, PhD</i>	2005
Committee member for MS student Wildlife Ecology, University of Washington. Thesis title: "Puma concolor ecology and behavior."	
<i>Brian R. Zweibel, MS</i>	2003
Committee member for MS student in Forest Resource Management, University of Washington. Thesis title: "Human Distribution in the Alagnak Wild River Corridor: Spatial and Temporal Patterns in Southwest Alaska."	
<i>Elizabeth Dolan, MS</i>	2002
Committee member for MS student in Forest Soils, University of Washington. Thesis title: "Soil and site variability in the Northeast Wenatchee Mountains."	

## 11 Academic Service

### *University of Washington*

- Search committee for Research Assistant Professor in Real Estate (Member) 2016  
Department of Urban Design and Planning, University of Washington
- Alumni Board, University of Washington College of Forest Resources 2003-present
- Advisory Board Member, University of Washington Extension (GIS Certificate Program) 1999-present
- Esri Site License Coordinator 1997-present
  - Primary coordinator of software distribution, licensing, and technical support for University of Washington site license for Esri (GIS) software
  - Administer software licenses for > 5,000 users
  - Oversee administration of Esri Virtual Campus subscription
  - Administer ArcGIS Online, > 800 users
- Creator/administrator of UW-GIS-L 1997-present  
E-mail listserv providing GIS information and support to > 600 users within and beyond UW
- UW GIS Day Planning Committee 2001-present
- University of Washington Interdisciplinary PhD Program in Urban Design and Planning Steering Committee 2008-2009  
Student member of steering committee

### *Oregon State University*

- External Review Committee, Oregon State University Forestry (Member) September-October 2002  
Part of a 3-person team invited to review OSU's Forestry computing resources

#### 11.1 JOURNAL REFEREE

- American Journal of Preventive Medicine
- Exercise and Sport Sciences Reviews
- Environment and Behavior
- Health and Place
- International Journal of Health Geographics
- Medicine and Science in Sports and Exercise
- Preventing Chronic Disease (CDC)
- Preventive Medicine
- Transportation Research Board

## 12 Awards

- Faculty Medal, Urban Design & Planning, College of Built Environments, 2009
- Outstanding PhD Student in Urban Design & Planning, College of Architecture & Urban Planning, 2008

- Hall-Ammerer-WRF Graduate Fellowship, 2004-2005
- Invited membership, Xi Sigma Pi (Forestry Honor Fraternity), 2004
- Byron and Alice Lockwood Fellowship, 1991-1992

## 13 Computing

### 13.1 GIS

- PostGIS, R/Spatial, QGIS, ArcGIS Desktop, OpenJUMP Computer Programming:
- SQL, PostgreSQL, Perl, Arc Macro Language, Avenue, UNIX shell scripting, MS-DOS batch scripting

### 13.2 NUMERICAL ANALYSIS

- R

### 13.3 DESKTOP EDITING AND PRODUCTIVITY SOFTWARE:

- Vim
- $\text{T}_{\text{E}}\text{X}$ ( $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ ,  $\text{BIB}\text{T}_{\text{E}}\text{X}$ , Sweave)
- Microsoft Office
- GIMP, Imagemagick, Photoshop

### 13.4 OPERATING SYSTEMS

- Microsoft Windows family, Linux, Solaris, and other UNIX variants

### 13.5 WWW

- HTML, Wikimedia, Drupal, WordPress, Perl-CGI