Evgeny Noi

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EDUCATION

[2018-now] – Ph.D., Geography, University of California, Santa Barbara
[2011-2013] – M.S., Urban Planning, University of Iowa
[2005-2010] – B.A., International Relations, Irkutsk State University, Russia

RESEARCH APPOINTMENTS

[2019] – **Research Assistant**, Department of Geography, UC Santa Barbara, Santa Barbara, CA.
"Visualizing Motion: A Framework for the Cartography of Movement" (NSF grant #1853681).

- Researched state-of-the-art methods in (geo)visual analytics of movement and compiled comprehensive taxonomy of visualization techniques.

TEACHING APPOINTMENTS

[2018-now] – **Teaching Assistant**, Department of Geography, UC Santa Barbara, Santa Barbara, CA

- GEOG W12: Maps and Spatial Reasoning
- GEOG 3A: Ocean Atmosphere
- GEOG 190: Location Theory and Modelling

[2011-2013] – **Teaching Assistant**, Department of Urban and Regional Planning, University of Iowa, IA

- GEOG:3920:0001 Planning Livable Cities.
- GEOG:3920:0002 Planning Livable Cities.

PROFESSIONAL APPOINTMENTS

[2017-2018] – **Team Lead**, Big Data Division, Moscow Government IT Department, Moscow, Russia

- Employed machine learning algorithms to forecast fires and prioritize fire inspections
- Utilized SARIMA-based models to forecast city-wide flu outbreaks in schools
- Developed forecasting tools for K-12 student performance and professional trajectory
- Enabled large scale intra-city migration analysis

[2015-2017] – **Lead Analyst**, Big Data Division, Moscow Government IT Department, Moscow, Russia

- Developed and employed ETL procedures to automate the processing of data from disjoint city data systems
- Supplied data-analytics and visualizations for weekly mayoral briefings [2013-2014] – **GIS Analyst**, Geogracom Ltd., Moscow, Russia
- Visualized transportation data and annotated GIS analyses in preparation of transportation master plans for Volgograd and Sverdlovsk oblast

[2013-2014] – **Consultant**, Russian Academy of Transportation, Moscow, Russia

- Adjusted a region-wide model to account for environmental and economic impacts of transportation modernization

PUBLICATIONS

[2020] – S. Dodge, E. Noi (submitted) A comprehensive taxonomy of visualization techniques for the cartography of movement. Cartography and Geographic Information Science (CaGIS). Submitted on 05/06/2020.
[2014] – The University of Iowa Public Policy Center. (2014). *Analysis of Impediments to Fair Housing Choice. City of Iowa City*, 2014. Retrieved from:
http://ppc.uiowa.edu/sites/default/files/ai_report_final_2_17_14_2.pdf

[2013] – Evgeny Noi, Lin Chen, Jamie Sanchagrin, Andrea Uhl, Barrett Voigt, Kehla West, Jordan Yanke.
Dubuque County Sustainability Indicators (2013). Retrieved from the Iowa Initiative for Sustainable Communities website:
https://www.urban.uiowa.edu/system/files/global/DubuqueCoSustainabilityIndicators.pdf

MEETINGS AND CONFERENCE PRESENTATIONS
[2019] E. Noi and A.T. Murray "Urban Sensing Optimization and Sampling. The Case of Moscow Air Quality Monitoring Network." *AAG Annual Meeting*, Washington DC, April 3-7, 2019
[2017] E. Noi "Using anonymized Call Detailed Records (CDR) to assess mobility and residential patterns of people with disabilities in Moscow, Russia." *First Congress of Producers and Distributors of Rehabilitation Equipment in Russia.* Moscow, Russia, December 12, 2017

HONORS AND AWARDS
[2018] – Dangermond Travel Grant, Department of Geography, UC Santa Barbara
[2014-2015] – Swedish Institute Visby Scholarship
[2011-2013] – Fulbright Scholarship
[2006-2009] – Oxford Russia Fund Scholarship

SERVICE
[2019-2020] – Sports Committee, Member, Department of Geography, UC Santa Barbara
[2018-2019] – Outreach Committee, Member, Department of Geography, UC Santa Barbara
[2014-2015] – Swedish Institute Network for Future Global Leaders, Malmo Chapter Board Chairman
[2011-2013] – Graduate Student Senate, Representative, University of Iowa

PROFESSIONAL SOCIETY MEMBERSHIP
American Association of Geographers (2018-now)
American Planning Association (2011-2013)