Data Visualization Final Project Literature Review

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1. Introduction

This bibliography contains sources related to the following topics:

1. Background information on the housing market
2. General geographic visualization tools
3. Past visualizations on homelessness and housing
4. Publicly available datasets
5. Bibliography

**Ananya Roy, Gary Blasi, Jonny Coleman, & Elana Eden. (2020). Hotel California: Housing the Crisis. *UCLA Luskin Institute on Inequality and Democracy*.** [**https://escholarship.org/uc/item/0k8932p6#main**](https://escholarship.org/uc/item/0k8932p6#main)

* The purpose of this citation is to provide myself with general background knowledge of the housing crisis in California on a more detailed and academic level than what is presented in the news.
* The article uses a data-driven approach to answer several pressing questions about the crisis, including who is most affected, where it is most severe, and what policies are consistent in creating the crisis.

**Edsall, R. M., Harrower, M., & Mennis, J. L. (2000). Tools for visualizing properties of spatial and temporal periodicity in geographic data. *Computers & Geosciences*, *26*(1), 109–118.** [**https://doi.org/10.1016/S0098-3004(99)00037-0**](https://doi.org/10.1016/S0098-3004(99)00037-0)

* This paper gives a list of effective tools and techniques for geospatial and geotemporal data visualization
* As much of my analysis will involve changes in metrics by location by time, this paper is very relevant and contains some good ideas about how to best present the data.
* Many of the concepts presented were covered in class, but additional ones are also proving useful.

**Esteban Ortiz-Ospina & Max Roser. (2017). Homelessness. *Our World in Data*.** [**https://ourworldindata.org/homelessness?source=post\_page#**](https://ourworldindata.org/homelessness?source=post_page)

* This is a data-visualization-based survey of homelessness. The purpose of this paper is to review some basic visualizations that have been used in the past to cover similar concepts as my project.
* The paper also references some very useful public datasets that I will likely end up using in my own project.

**Jayant Madhavan, Shreeram Balakrishnan, Kathryn Brisbin, Hector Gonzalez, Nitin Gupta, Alon Halevy, Karen Jacqmin-Adams, Heidi Lam, Anno Langen, Hongrae Lee, Rod McChesney, Rebecca Shapley, & Warren Shen. (2012). Big Data Storytelling through Interactive Maps. *Google Inc.*** [**https://static.googleusercontent.com/media/research.google.com/en//pubs/archive/39959.pdf**](https://static.googleusercontent.com/media/research.google.com/en/pubs/archive/39959.pdf)

* This paper was included in the course materials during the week on geographic visualization techniques. I’m using it as essentially a placeholder to reference all of the concepts taught during that unit of the class.

**John D. Landis. (2000). Raising the Roof: California Housing Development Projections and Constraints, 1997-2020. *Department of City & Regional Planning, UC Berkeley*.** [**https://escholarship.org/uc/item/1391n947#main**](https://escholarship.org/uc/item/1391n947#main)

* This is an older paper from 2000 that attempts to project trends in housing in California until the year 2020.
* I hope to use more advanced techniques to make similar (but more scientific) projections in my project, provided sufficient is available since 2000.