

Empirical Project 1
Stories from the Atlas: Describing Data using Maps, Regressions, and Correlations

Posted on Thursday, February 7, 2019

Due at midnight on Thursday, February 21, 2019

Question	Rubric	Max Score
1	- Figure of 1-2 Maps (5) - Discussion of figure: what outcome variable, what group, what do they see in the map, etc. (5)	10
2	- Identify period of data (2) - Cite stability of neighborhoods discussion (5) - Identify data for checking neighborhood has changed (3)	10
3	-Comparison to county (2) - Comparison to US (2) -Gave an answer to mobility in tract wrt to US (1)	5
4	-Provide SD in county (2) -Compare to SD in state (1) -Compare to SD in US (1) -Interpretation of these comparisons (1)	5
5	-Re-doing question 3 for children who start at the 75th and 100th (2) -Re-doing question 4 for children who start at the 75th and 100th (2) -Some comments on how the patterns differ (1)	5
6	-Regression involving kfr_pooled_p75 and kfr_pooled_p25 (4) -Scatter plot (4) -Interpretation: Do areas where children from low-income families do well generally have better outcomes for those from high-income families, too? (2)	10
7	-Repeated analyses in 3-6 using race (3) -Some comment in the text on whether the patterns you have looked at above are similar by race (2)	5
8	-Calculation of correlation coefficients (5) -Report 95% confidence intervals for each (5)	10
9	-Should state a hypothesis (5 points) and then do a reasonable job of testing it and interpreting the data as either consistent or inconsistent with the hypothesis (5 points). Data could also not be informative due to e.g., wide confidence intervals.	10

10	-Discussed one or two takeaways (5 points) including caveats (5 points). Caveats should include discussion of causality; statistical uncertainty could be another (e.g., wide confidence intervals due to few observations).	10
Presentation/Documentation	<ul style="list-style-type: none"> - Attaches script (5) - Attaches log-file (5) - Document is double spaced, between 4-6 pages, and neat (10) 	20