Data on Sources

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1 Intro

1.1 Thesis

Thesis:$(1/4) - (1/3)$ of paper The purpose of my research is to prove that humans' activities contribute to streamflow change and to quantify how human much contribute (i.e. man-made water structure, agriculture, and other yet to be stated).

1.2 Support

1. Describe the "human disturbance" index from Falcone 2016 and it's accuracy is dependent on GIS tricky implementation:

   (a) GIS implementation

   (b) The six variables from the reduced variable index: HUDEN, ROADDEN, PESTIC, URBCP_MAINS, DIST_CANAL_NEAR and DAMSTOR.

   (c) resulting accuracy of previously indexed watershed classification from USEPA (pg. 269)

2. Implmentaion of the "human distrubance" index from Falcone 2016 in the Rice 2016 study

   (a) State 70 annual scale streamflow dataset (1940 - 2009) and show the correlation amongst the ecoregions with figure 1

   (b) State the two variables that were considered important in hinting at a conclusive answer P_{mean} & DI_{mean}

   (c) Describe the decline in variability in mountainous regions and how atmospheric scale variables hint as being potential drivers.

2 Data Analysis: About 3 visuals

1. Figure 1: Rice's correlation graph

2. Figure 2: Water data from South Dakota

3 Lit. review: Maturity of topic

1. Describe about how relativity new this subject is because of how dependent this index relies on GIS resolution

4 Results: Goals? Findings?

5 Conclusion: (1/4) of paper. Summarize Conclusion

6 References