

JSM Data Expo - Game Plan

Due Dates

Abstract Opens for Edits: March 29th

Abstract Due: April 18th

Proof of Work in Progress: May 17th

Goals:

- Get significant work done on Shiny app by **April 4th**
 - Write and submit abstract by **April 18th**
 - Figure out who will present by **April 18th**
 - Get most of this done **before we freak out for Comps**
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Some Details

Shiny App

- 3 main pieces, a US Map, general plots, and correlation analysis
 - US Map:
 - provide summary statistics for each city on click
 - can filter by month and by variable
 - the size of markers will be by H_i (happiness index)
 - H_i [source in PLOS One](#)
 - Visualizations:
 - **scatter plot** of historical values for selected variables over time
 - * add prediction lines for forecast's number of days prior
 - **histogram** of the mean of selected variable, with indicator for selected city
 - **histogram** of H_i , with indicator for selected city
 - Correlation:
 - find correlation between H_i and summary statistics of the selected variable, by city
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Rough Ideas:


