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Preparing Data for Analysis

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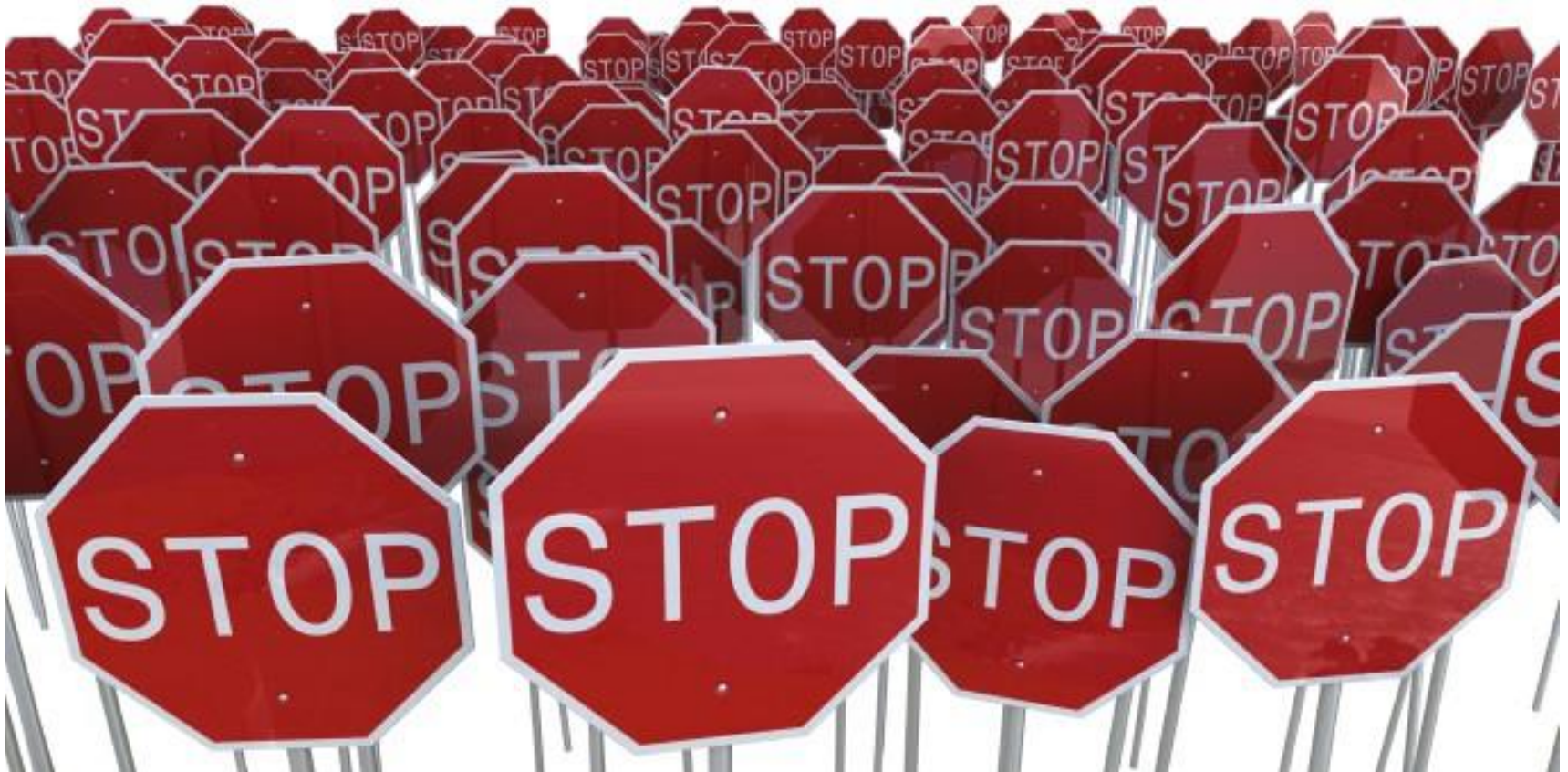
Making friends and influencing collaborators:

HOW TO GET A STATISTICIAN TO HELP YOU MORE THAN ONCE



Statistics time!

- I followed my Data Management Plan
- I have a data dictionary
- I entered all of the data correctly
- I even named my data files in a way JP would be proud of
- Time to send it to my Statistician to figure out the rest!



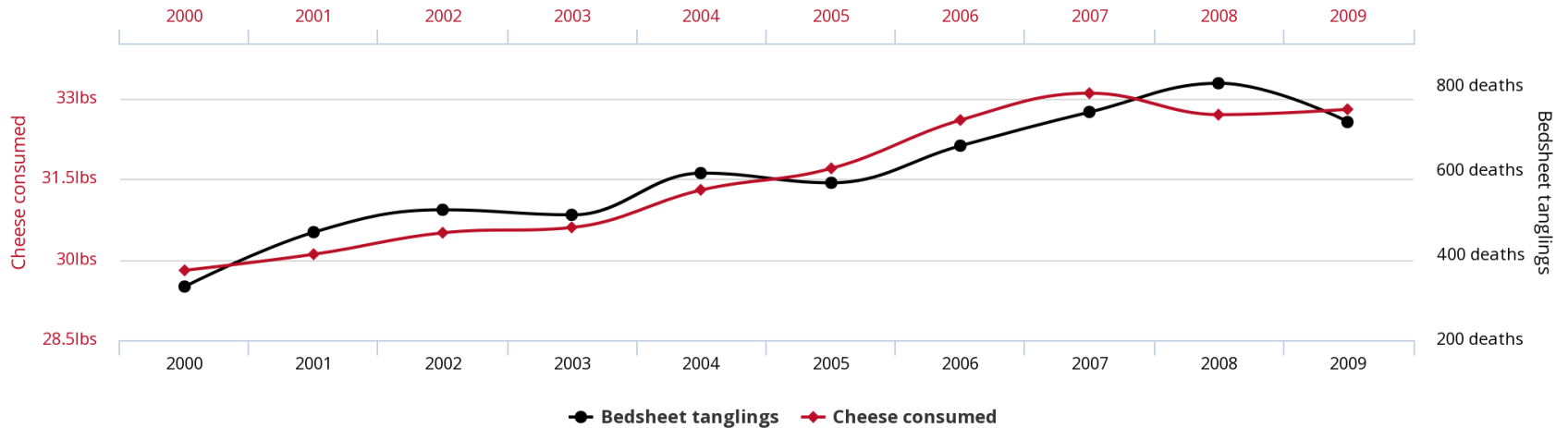


Help them help you

Per capita cheese consumption

correlates with

Number of people who died by becoming tangled in their bedsheets



tylervigen.com



A few things to make your statistician's job easier and more fun!

- The form you want your outcome to take
 - Dichotomous
 - Continuous
- The form you want your exposure to take
- Plausible cut points, known normal/abnormal levels of variables



A few things continued

- Dummy tables
- A list of known confounders
- Relevant references from the field/topic/question



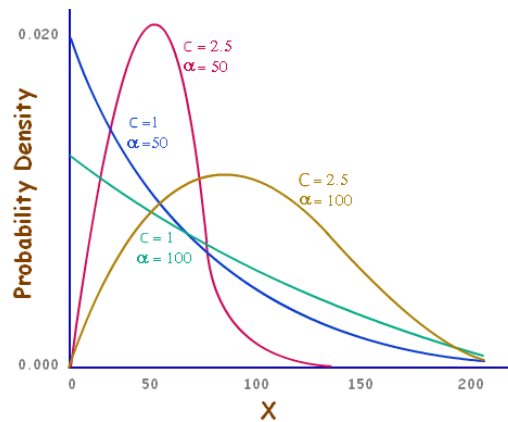
A few things continued

- A clear and realistic timeline
- An opportunity to participate from the start of the study
- A funding line in your grants

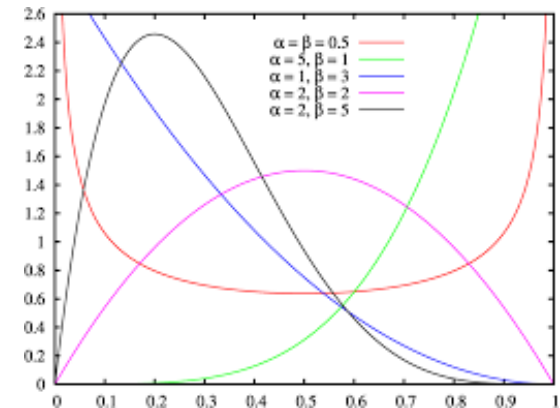


Let the magic begin!

Weibull Distribution



Beta Distribution



Lunch Distribution

