**Talking Points with Harrison**

**24th of July through August 4th.**

* Outlet
  + Talk about the data
  + Added time into mixture model
  + JRSS:C or JASA
  + Informs application/use case
    - Convert to only have the last location for deceased patients be marked as deceased
* Opportunity to talk with CEO of the synthetic data company
  + Suggestions on what to ask/talk about?
  + Welcome to join the call
* ~~Letters of recommendation~~
  + ~~BYU statistics position~~
    - ~~Will send CV and research statement ahead of time~~

Think about what is going to matter in the analysis part of things, and design synthesis to preserve that.

Could be good to have two different examples, e.g., where it matters which day it is for one example but not the other. Could show how more effort in the synthesis is important for one use case but not the other.

1. Use case 1.

Aggregate, poisson model for learning death rates at a neighborhood level.

Can you accurately estimate rates by age/sex.

How does this compare to just treating the data as aggregate to begin with?

You want to be able to look at things at an aggregate level, but level of aggregation is arbitrary. The approach might not beat the poisson gamma approach for tract level data. “Mine can answer a lot more questions than the other one.”

1. Use case 2.