WEEK 8 HOMEWORK

Background information for this assignment is provided in this week's lecture.

Question 18.1

Which shutoffs should be done each month, given the capacity constraints? Describe analytics models and data that could be used to make good recommendations to the power company.

Here are some questions to consider:
- Some of the capacity – the workers' time – is taken up by travel, so maybe the shutoffs can be scheduled in a way that increases the number of them that can be done.
- Not every shutoff is equal. Some shutoffs shouldn't be done at all, because if the power is left on, those people are likely to pay the bill eventually. How can you identify which shutoffs should or shouldn't be done? And among the ones to shut off, how should they be prioritized?
- What kind of data do you think you realistically have access to and can legally collect/use?

Think about the problem and your approach. Then, talk about it with other learners on Piazza, giving feedback and suggestions to each other. After refining your approach and typing it up, submit your final methods for homework 8 on Canvas.

You can use the {given, use, to} format discussed in lecture as a guide: Given {data}, use {model} to {result}.

Have fun! Taking a real problem and thinking through the modeling and data process to build a good solution framework is my favorite part of analytics.