

Research Meeting & Communication Plan¹:

A. Items As of Last Meeting:

1. Try all-time min iterative model
2. Rank judges according to busyness
3. Look into log-linear models
4. Look into no-intercept, incomplete fixed effect model

B. Meeting Agenda

1. Judge-level busyness analysis
2. County fixed effects model
3. No-intercept, incomplete fixed effect model
4. Log-linear models

¹ Please save the document as RMC_Template_lastname_firstname_MM_DD_YY.pdf

C. Executive Summary

a. Key Findings/Results

1. Based on the busyness analysis, there seems to be more variance in the busyness of counties than in the busyness of judges. For example, the difference in average pleas per day between busy and idle counties is much larger than the difference in average pleas per day between busy and idle judges.
2. I ran a county fixed effects model, similar to the judge fixed effects model we discussed last time, all of the county fixed effects coefficients are positive, which would allow for the idleness interpretation we wanted.
3. The all-time min iterative model yields results somewhat similar to the utilization model, nothing extreme.

b. Key Insights

1. I think the results from the busyness analysis suggest that it might be a better idea to go with county fixed effects instead of judge fixed effects.
2. Using a log linear model would be trading off a nice interpretation of judge fixed effects for a straightforward estimation of service rates. From what I could find, very few log-linear models can be used with fixed effects, and those that can (Poisson and Negative Binomial) don't seem to be exactly suited for our purposes, so we would probably have to make an argument for them. These two things lead me to say that the log-linear approach is probably not worth it.

D. Specific Questions to Discuss During the Meeting

1. Thoughts on the county fixed effects model?

E. Challenges Slowing Our Progress

1. Estimation of μ_p and μ_t .

F. Your Proposed Action Items Until Next Week

1. Decide how to approach service rate estimation

G. Miscellaneous

a. Attached Documents²

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|-------------------------|---|---|
| 1. Slide Deck: | Y | N |
| 2. Research Report: | Y | N |
| 3. Updated Paper Draft: | Y | N |

b. Other Issues/Items³

1. N/A-

² For the documents you provided, please provide a 1-2 sentence description of the (new) substance.

³ Please state anything we didn't cover above that you think we should discuss