To-Do List 6-23-2018

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- Look at **document you wrote** about predictions of my model. Need to be able to articulate how the predictions are different from the standard endogenous growth model, as Moll said.
- Code:
  - Understand issue causing lack of stability in code.
  - Try to solve next part of code...maybe this can be estimated..
- Estimation vs. calibration. Try to articulate exactly what I am going to do and ask Esteban what he thinks. Does "estimation" mean that the model is able to perfectly fit the data (i.e. I interpret all of the errors within the model)?
- Finally, think about what my model needs to capture.
  - E.g., in the current model, cannot identify firms in the model with firms in the data because the firms in the data only have one product...so I can only do things like startup rate, not firm performance. Moreover, in general, there is no "spinout performance" in my model, because they just do R&D...this is kind of a big problem in my opinion. It almost seems that my model is more suited to identifying the advantages of spinouts by using an approach like in Akcigit & Kerr -do spinout patents have more citations. Model would need some reworking - advantage of spinouts over other entrants would be in the step size of their ladder.
  - If I want to be able to use the LBD data on the performance of spinouts, and in particular draw more direct inspiration from the LEHD-identification-based work about human capital of spinouts, screening of spinouts by non-competes, which is based on spinout performance as measured by employment etc., need a model where spinouts actually have some amount of employment depending on their productivity.

– In any case, keep in mind that while in my model all spinouts compete, this is fine because I will only classify firms as spinouts if they compete with parents (and non-competes can only ever apply to these types of spinouts).