Notes for Jan 8 Meeting

What I have done:

- **My plan for the intro chapter**
  - Discuss the data in detail: what can we measure, what can't we measure, which countries have reliable/useful data, etc.
  - Cover the second demographic transition and discuss changes in: marriage rate vs. cohabitation rate, divorce and separation, fertility, matching patterns (e.g., is there more or less positive assortative matching?) – display stylized facts on these topics.
  - Literature review on matching and separation.
  - Relate the matching and demographic literature with some illustration of how one of the extant matching models can be used to say something about demographic transition.

- **Some reading on TU matching/separation**
  - Aloysius asked me to read and provide a referee report for a paper Bernard Salanié sent him. It is the chapter on TU matching for the upcoming Handbook of Matching - more or less a summary of Galichon and Salanié (2022a) and Galichon and Salanié (2022b) using the Logit assumption from Choo and Siow (2006) for illustration purposes.
  - Adda et al. (2020) endogenize separation in a TU context using a match-specific shock - an interesting starting point but needs to be fleshed out.
  - An interesting identification technique in Gualdani and Sinha (2023) which may be useful.

- **Started writing down a model for separation**
  - The TU framework was fresh in my mind from reading Bernard's paper so I started there.
  - I assume everyone is matched and we can identify/observe the average surplus of a match of some given type which is split between the individuals matched.
  - A match dissolves if match-specific shocks cause the surplus falls below a threshold and there is an associated cost of separation.
  - We would like to identify this cost and threshold.
  - I will bring a print out with some details.

What is still left to do:

- **Work on the intro chapter**
  - Gather some more data.
  - Put together the demographic transition and matching sections. Most of this is already written – just need to organize/edit it.
  - Need to think of an interesting application to illustrate the use of matching models in demography.

- **The model for separation**
  - Keep working on this and add some more details.
  - Incorporate any feedback you have.

References

Jérôme Adda, Paolo Pinotti, and Giulia Tura. There's more to marriage than love: the effect of legal status and cultural distance on intermarriages and separations. 2020.

Eugene Choo and Aloysius Siow. Who marries whom and why. *Journal of political Economy*, 114(1):175–201, 2006.

Alfred Galichon and Bernard Salanié. Cupid's invisible hand: Social surplus and identification in matching models. *The Review of Economic Studies*, 89(5):2600–2629, 2022a.

Alfred Galichon and Bernard Salanié. Estimating separable matching models. *arXiv preprint arXiv:2204.00362*, 2022b.

Cristina Gualdani and Shruti Sinha. Partial identification in matching models for the marriage market. *Journal of Political Economy*, 131(5):1109–1171, 2023.