Announcements

— Problem Set 1 due Wednesday.

— Problem Set 2 (just one problem) due two weeks from today.

$\rightarrow$ After today's lecture, we will have covered all topics on Problem Set 2.

— Starting Part 2 of the course next Monday. See Julia setup "assignment" on Canvas.

Overview of Topics

— **Part 1**: Fundamental IO theory **(Core IO)**

1. Theory of the firm; producer theory

2. Monopolies: Pricing; product quality/choice

3. Price discrimination

4. Competition: Static; dynamic

5. Entry models

— **Part 2**: Fundamental tools of structural estimation **(Broadly applicable empirical tools)** [**Starting Monday**]

1. Computational building blocks

2. Estimating demand systems

3. Estimating models of single-agent dynamics

4. Auctions

— **Part 3**: The IO research process