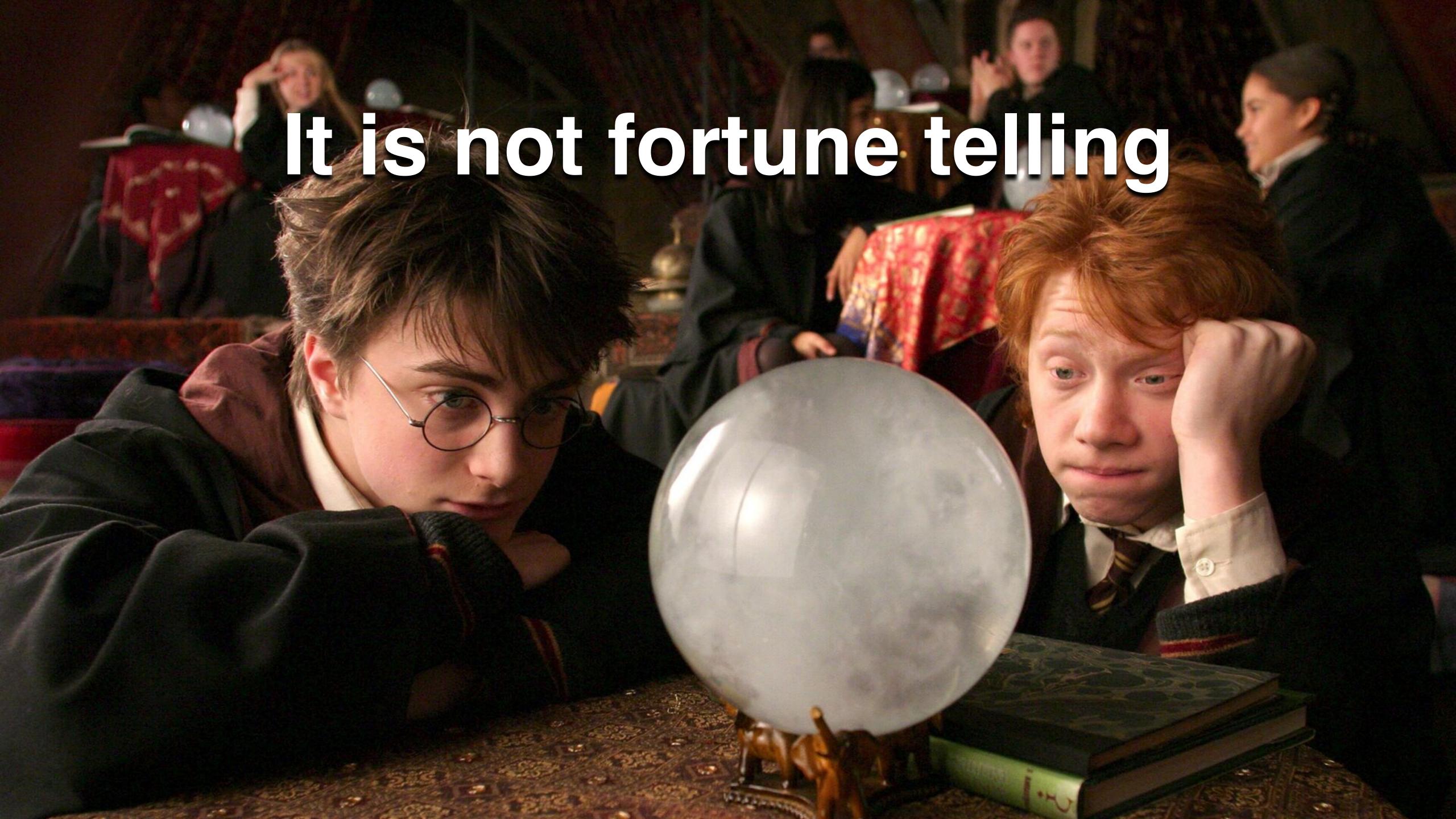
#### Picking a Research Topic

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# And it is not machine learning (maybe a little bit)



### Irene's Guide to Picking Research\*

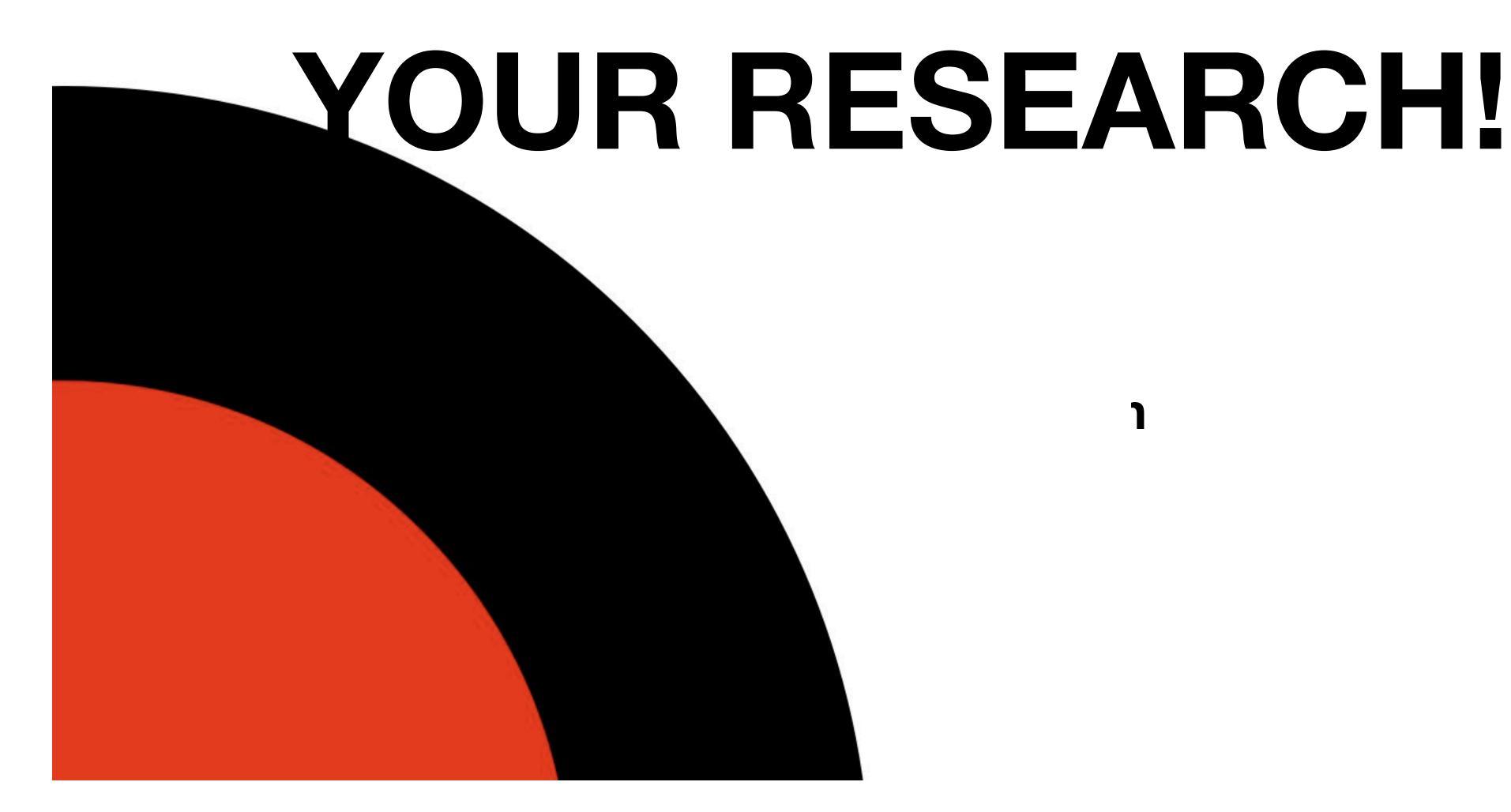


\*some restrictions may apply

#### 1. Pick something that is research

- Harder than you might think ... because we can't seem to agree
- Easier than you might think ...
  because more things are research
  than you might assume

#### Research 101



http://matt.might.net/articles/phd-school-in-pictures/

### 2. Pick something others are excited about

- Pushing on research by yourself sucks.
- Find interested people at all levels: your advisor, your lab, your research community.

### 3. Pick something you are excited about.

- · Research projects take a long time.
- They are really hard.

### 4. Pick something you are qualified to do.

- Make sure you have the expertise for success.
- And if not, make sure you have experts to help you.

## 5. Pick something you are <u>uniquely</u> qualified to do.

- Maybe you have some insight that others have not had before
- Or some expertise across two areas
- Or some resources (e.g., experts, hardware, prototypes) that others don't

#### Irene's 5 rules to picking research

- 1. Pick something that is research
- 2. Pick something others are excited about
- 3. Pick something you are excited about
- 4. Pick something you are qualified to do
- 5. Pick something you are uniquely qualified to do