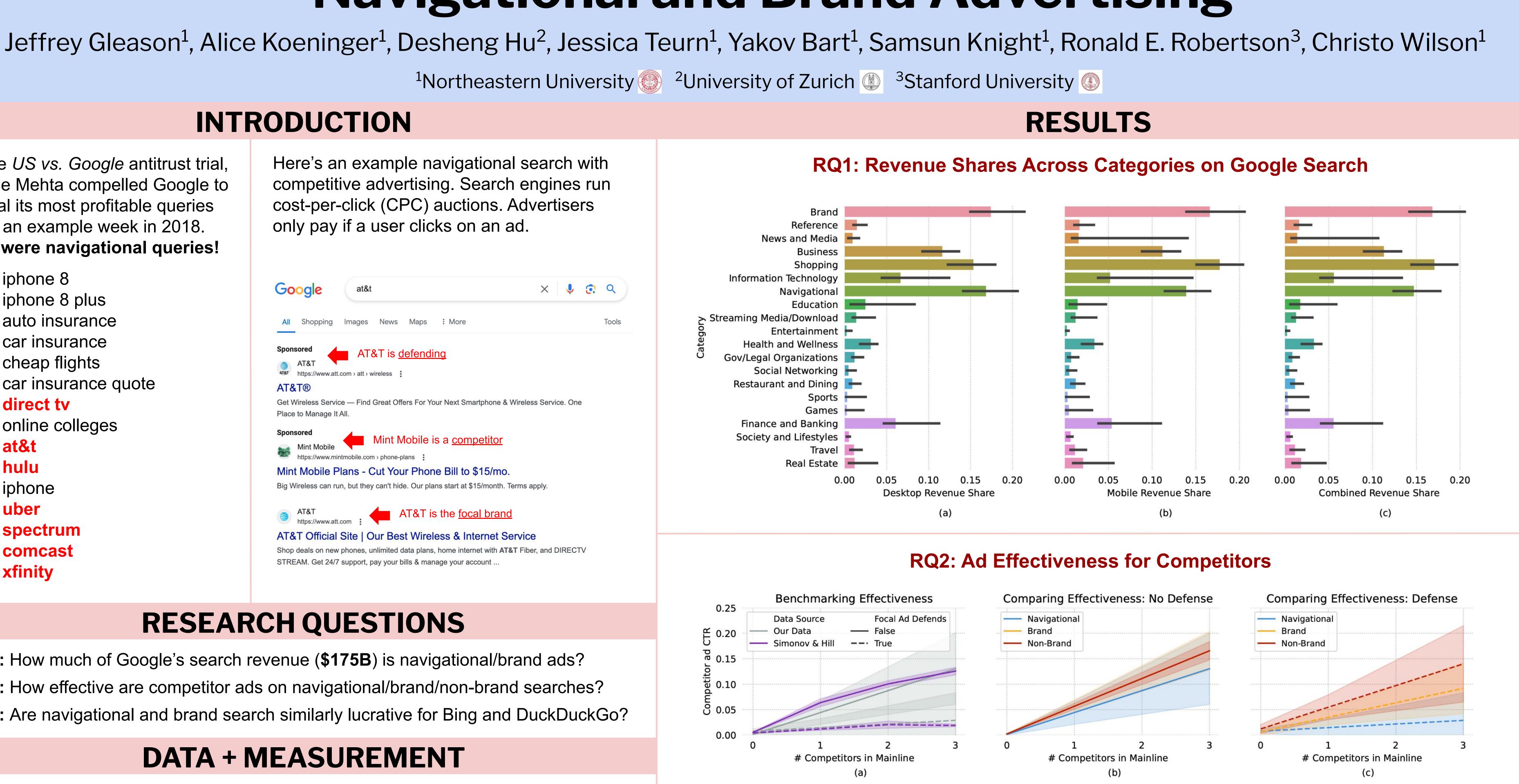
INTRODUCTION

In the US vs. Google antitrust trial, Judge Mehta compelled Google to reveal its most profitable queries from an example week in 2018. Half were navigational queries!

- iphone 8
- 2. iphone 8 plus
- 3. auto insurance
- 4. car insurance
- 5. cheap flights
- car insurance quote 6.
- 7. direct tv
- 8. online colleges
- 9. at&t
- **10.** hulu
- 11. iphone
- **12. uber**
- 13. spectrum
- 14. comcast
- 15. xfinity



RESEARCH QUESTIONS

RQ1: How much of Google's search revenue (**\$175B**) is navigational/brand ads? **RQ2:** How effective are competitor ads on navigational/brand/non-brand searches? **RQ3:** Are navigational and brand search similarly lucrative for Bing and DuckDuckGo?

DATA + MEASUREMENT

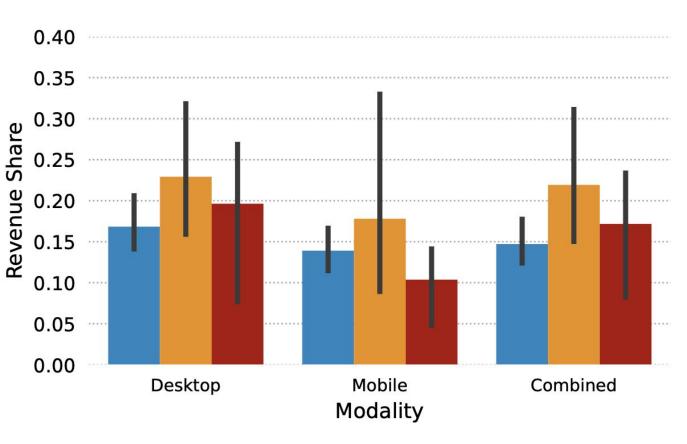
- **Data Collection:** Browser extension collects browsing activity and search result pages from 926 US residents between Aug–Dec 2020.
- Query Labeling: We label navigational/brand queries by comparing the query to the top organic domain. We label topical categories using all domains on the page.
- Ad Clicks: We identify ad clicks using URL tracking parameters (e.g. gclid).
- Ad Cost-Per-Clicks: We retrieve CPC estimates from Google's and Bing's ad APIs.

CONCLUSIONS

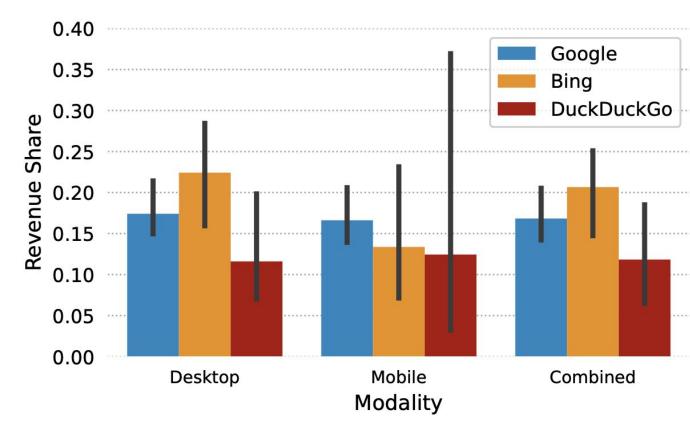
RQ1: 28–36% of Google search revenue (~\$50B) comes from navigational/brand ads. **RQ2**: Exploratory evidence that navigational ads are **less effective** for competitors. **RQ3**: Navigational/brand ads are similarly lucrative for Bing and DuckDuckGo.

Search Engine Revenue from Navigational and Brand Advertising

RQ3: Navigational/Brand Revenue Across Search Engines



(a) Navigational Search



(b) Brand Search