Cognitive Models of Consumer Choice

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My cards





Private information about my cards

Airline's fares, products, schedule



Community cards

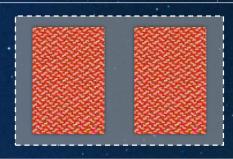


Public information cards in play

Competitor's itineraries schedules, fares available at time of purchase



Opponent's cards



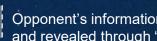
Belief of opponent's strength of hand

All "breadcrumbs" left from customer interaction with airline



Action: call or fold

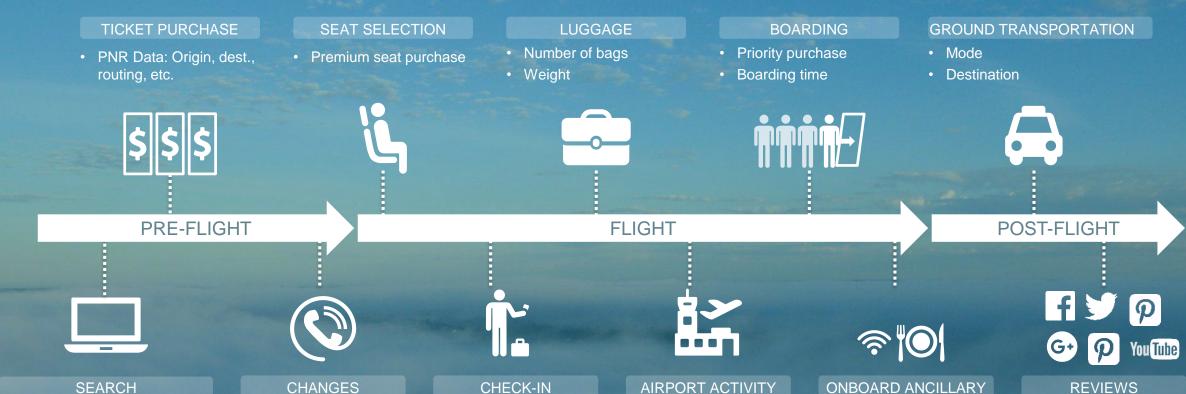
Action: correctly bundle and price an ancillary package



Opponent's information is encrypted and revealed through "tells" (signals)

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- · Kind of tickets searched for (refundable, one-way)
- · Available fares at time of purchase Ticket info viewed

- Change dates
- Change types (class, routing, etc.)

- Check-in platform
- Check-in time

- Travel path
- Purchases

- Wi Fi
- Food/beverage

REVIEWS

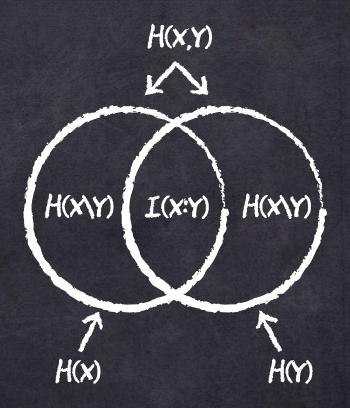
- Official complaints
- Social media/blog reviews



It's less about the data ABOUT YOU

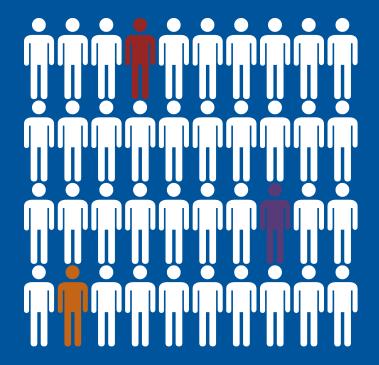
...and more about the data AROUND YOU

$$H = -\sum_{P(X) \mid O9P(X)} I(X;Y) = H(X) - H(X|Y) = H(Y-H(Y|X))$$





Valuation of passengers' disutility is dependent on each individual's cognitive model





- Lives in Singapore
- Purchases WiFi whenever it is available/rarely books flights without WiFi
- Joseph is searching for a ticket on SQ's website. No WiFi-enabled flights are available. Incentivize Joseph to travel with bonus miles so that he does not book with a competing carrier



- Lives in Dallas
- Appears to fly American only to cities not served by Southwest
- Target Alice with discounts or bonus offers on flights to Southwest cities



Charlie

- Lives in DubaiNeeds to fly from DXB to BOM
 - Always purchases business class fares for business travel
 - Charlie is searching for an itinerary where business class is sold out.

 Incentivize Charlie to travel with an upgrade certificate to be used on future personal travel

"Life is not always a matter of holding good cards, but sometimes, playing a poor hand well."

— Jack London

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