

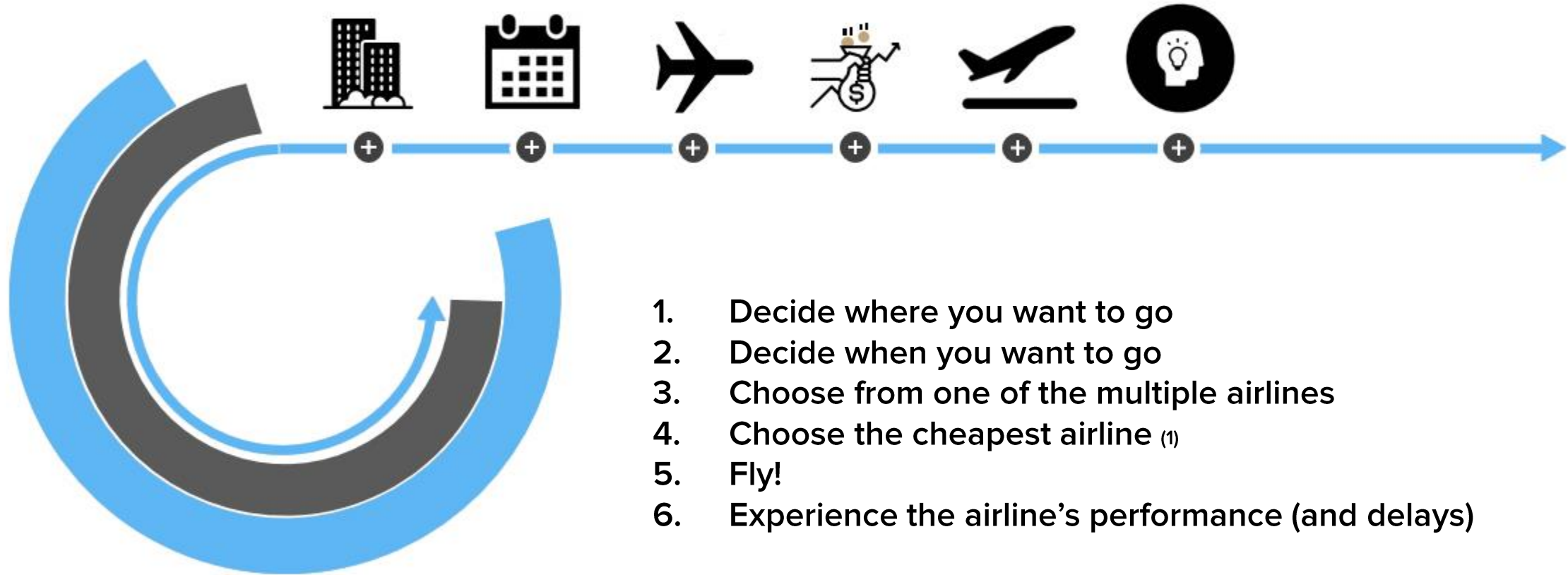
Are Premium Airlines Also Premium in Performance?

An Analysis for Business Air Commuters



Ticket Ordering Process

From planning to user experience



1. Source: SkyScanner, 2014, <https://www.skyscanner.net/press-releases/flight-price-and-convenience-most-important-flyers-say-skyscanner-users>

Performance Expectancy

A different perspective

Business Man



Needs to go to a meeting
Is flying during working hours (+\$100/hour)
Demands punctuality

Tourist



Is visiting friends or family
Can fly at any moment of the day or week
Delays will not influence him much

Wall Street

Financial District

Time Square

Statue of Liberty






The abundance of possibilities

The business man's perspective



Flight options:

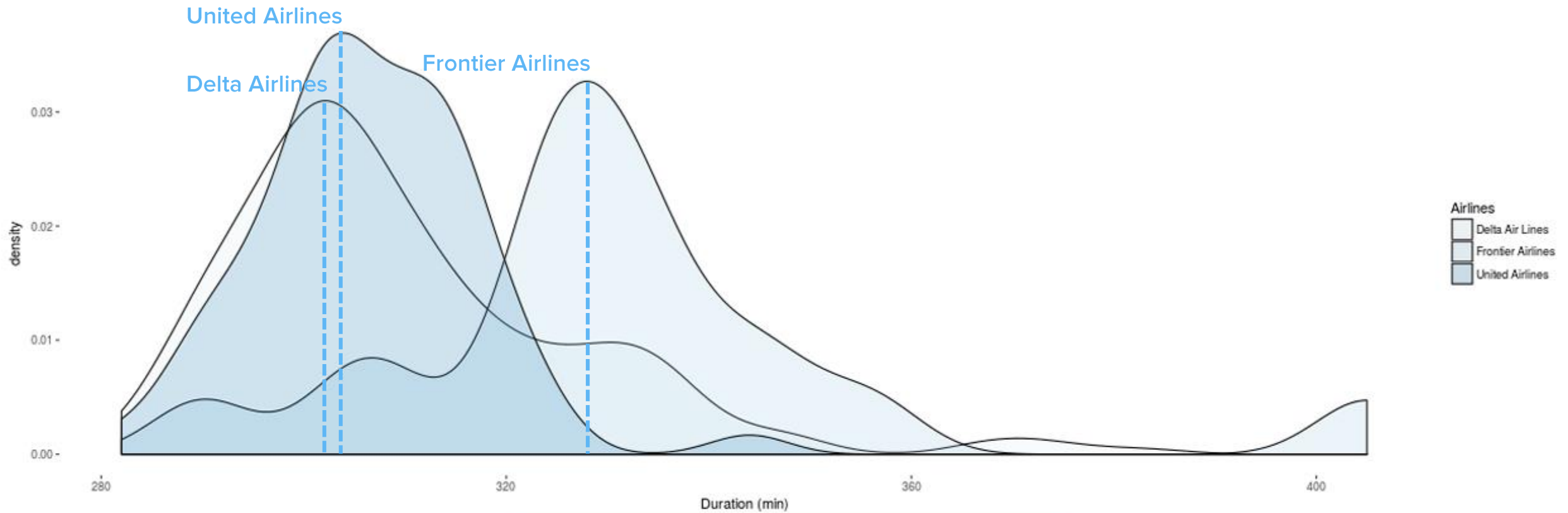
Flightdate: 16 Aug, 23 Aug 2017, roundtrip

 Frontier Airlines	06:15 ATL	5u. 20 Direct	08:35 SFO	€ 253,-
 United	07:16 ATL	5u. 09 Direct	09:25 SFO	€ 399,-
 Delta	08:10 ATL	5u. 01 Direct	10:11 SFO	€ 357,-

54 results

Source: SkyScanner, checked 14 Aug, 2017.

<https://www.skyscanner.nl/transport/vluchten/atla/sfo/170816/170823/vliegtarieven-van-atlanta-naar-san-francisco-internationaal-in-augustus-2017.html?adults=1&children=0&adultsv2=1&childrenv2=&infants=0&cabinclass=economy&rt=1&preferdirects=false&outboundaltsenabled=false&inboundaltsenabled=false&ref=home>



Performance Evaluation

An Analytical perspective through Shiny and R

Comparing Flight

Airline	Duration
Delta Air Lines:	310 +/- 2 min
Frontier Airlines:	332 +/- 10 min
United Airlines:	306 +/- 2 min

95% Confidence Interval

Comparing Airlines

Airline	Duration
Frontier – Delta:	Longer
United – Delta:	The same
United – Frontier:	Shorter

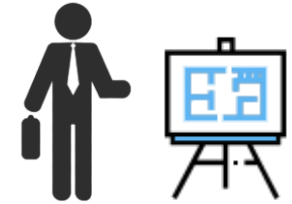
TuckeyHSD $\alpha = 0.05$

The Future of Flight Planning


Changing the way we travel



Delta Airlines



- Giving passengers the possibility to **compare airlines' performance** on unbiased information collected by the US Bureau of Transport Statistics
- Giving passengers insights into the **punctuality** of airlines and if route performance differs significantly
- Creating an incentive for airlines to **compete** on punctuality, as information becomes accessible to the public
- Making sure passengers arrive with the least amount of **delay**, while minimizing ticket prices

A stylized graphic of an airplane window with a blue and white geometric design. The window is oval-shaped and shows a view of a blue sky with white clouds. The word "AIRSPACE" is visible on the lower right of the window frame. The graphic is composed of several overlapping shapes: a large white rectangle, a blue parallelogram, and a black parallelogram, all arranged to create a sense of depth and movement.

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Thank you for your attention