

# BETTER TRAVEL CHOICES

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# THE DATA

- BTS Flight Performance Data (2015)
- US Domestic Flight Only
- +5.2MM Flight
- +300 Airports
- 14 Airlines



WHAT ARE YOUR CHANCES OF A FLIGHT DELAY?

***A LOT HIGHER THAN YOU THINK!***


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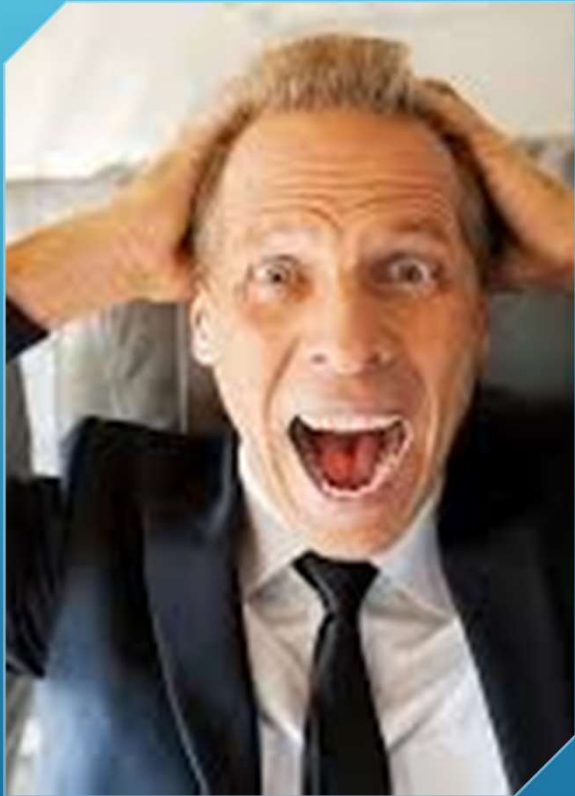
## PROBABILITY OF A DELAY

- 1 flight per year – 37.4%
- 2 flights per year – 60.8%
- 3 flights per year – 75.5%
- 4 flights per year – 84.6%
- 5 flights per year – 90.4%



# WHY ARE DELAYS SO COMMON?

- Air Travel systems are complex
  - Air Travel systems are overcrowded (and getting worse)
  - Events that affect air travel are hard to predict AND control (think weather)
  - Events often cascade to other events (late arriving aircraft)
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- A series of white diagonal lines of varying lengths and thicknesses, located in the bottom right corner of the slide, creating a modern, abstract graphic element.



IS THERE ANYTHING ONE CAN DO???

*Although delays are impossible to prevent,  
you can decrease the probability you  
encounter one.*

# LEAVE EARLY IN THE MORNING

Your best chances to avoid a delay are early in the day

- Morning (05 – 10):  $P(\text{delay}) = 29\%$
- Afternoon (11 – 16):  $P(\text{delay}) = 39\%$
- Evening (17 – 22):  $P(\text{delay}) = 44\%$
- Overnight (23 – 04):  $P(\text{delay}) = 37\%$




## CONSIDER TRAVEL WITH ONE OF THESE AIRPORTS

- Salt Lake City & Atlanta – frequency of delay ~30%
- Portland, Detroit, Chicago-Midway, Washington-IAD <34%



## AVOID AIRPORTS THAT HAVE HIGHER DELAY FREQUENCIES

- ❖ Honolulu 43%
  - ❖ Los Angeles (LAX) 43%
  - ❖ New York-Laguardia 43%
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- A series of white diagonal lines of varying lengths and thicknesses, located in the bottom right corner of the slide.

## WHEN POSSIBLE, AVOID THESE AIRLINES THAT HAD THE HIGHEST AVERAGE DELAYS!

- ❖ Frontier Airlines – 42 min
- ❖ Spirit Airlines – 41 min
- ❖ American Eagle Airlines (subsidiary of American Airlines) – 40min

## TRY FLYING WITH THESE GUYS WHEN POSSIBLE...

- ❖ Hawaiian Airlines – 15min
  - ❖ Alaska Airlines – 22min
  - ❖ Southwest Airlines – 29min
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# THE END - QUESTIONS?

