

Data Visualization Project

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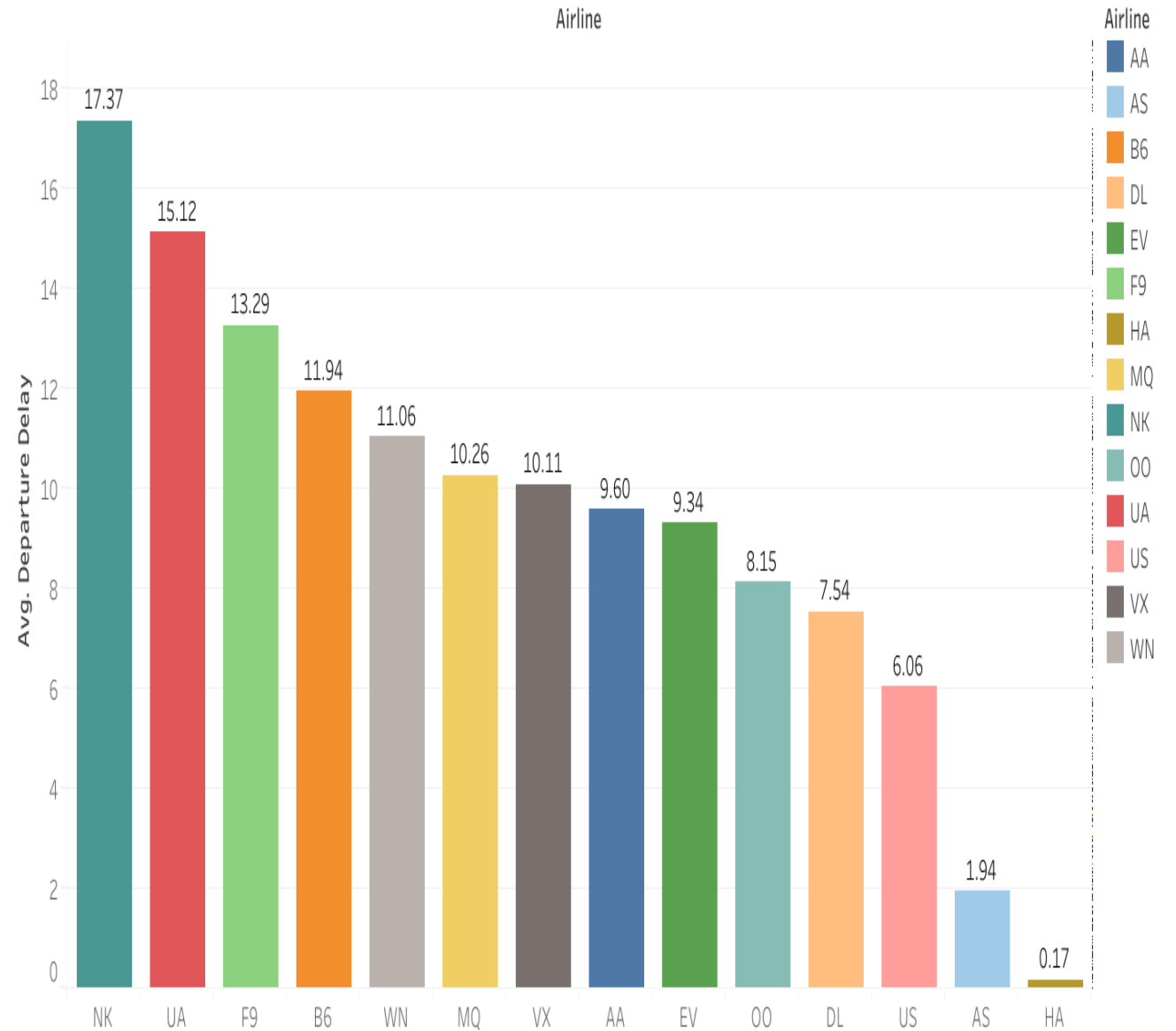
Questions

1. Which airlines have the worst delays?
2. What are the causes of cancellations per airlines?
3. What airports have the worst and best cancellations?

Average Departure Delays

- **Spirit Airlines** showed the high average departure delays per airlines of 17.37 Hours .
- **Hawaiian Airlines** showed the lowest average departure delays per airlines with 0.17 Hours.
- United Airlines is also considered one of the highest average departure delays with time of 15.12 Hours.
- **Alaskan Airlines** is also considered one of the lowest average departure delays with time of 1.94 Hours.

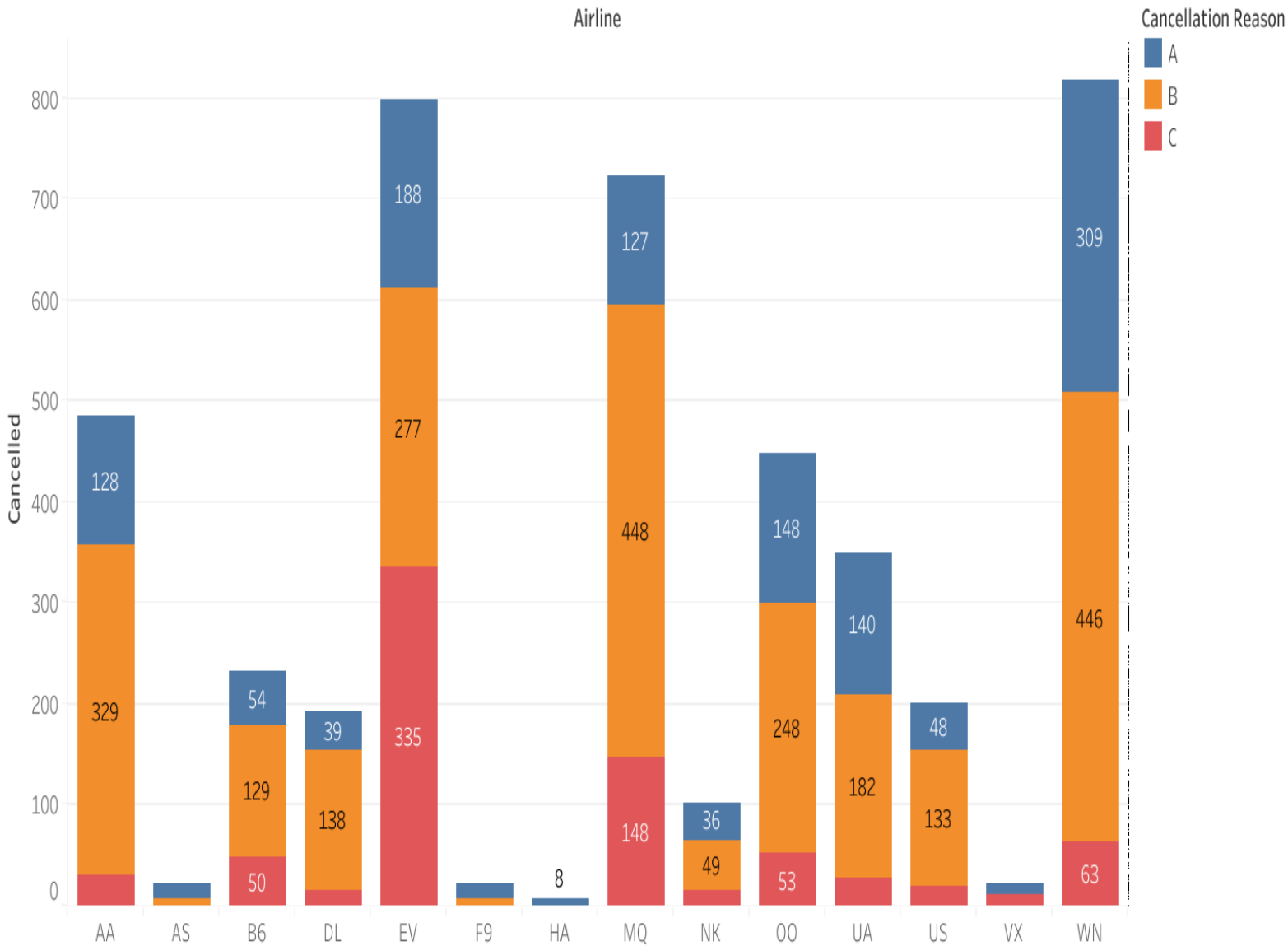
Average Departure delays by airlines



Cancellation Types with Airlines

- **Southwest Airlines** has the highest cancellation number of 818 among all airlines with:
 - 309 times due to Airlines/Carrier.
 - 446 times due to Weather
 - 63 due to National Air system.
- **Atlantic Southeast Airlines** has one of highest cancellation number of 800 times with:
 - 188 times due to Airlines/Carrier.
 - 277 times due to Weather.
 - 355 times due to National Air system.
 - The highest among all airlines.
- **Frontier Airlines & Alaskan Airlines** have a low cancellation times of 22 times for each. Interestingly both of them have:
 - 13 times due to Airlines/Carrier
 - 9 times due to Weather.
- **Hawaiian Airlines** has the lowest cancellation time of 8 among all airlines of 8 times only due to Airlines/Carrier.
- **American Eagle Airlines** has the highest delays number of 448 times that is due to Weather among all airlines.

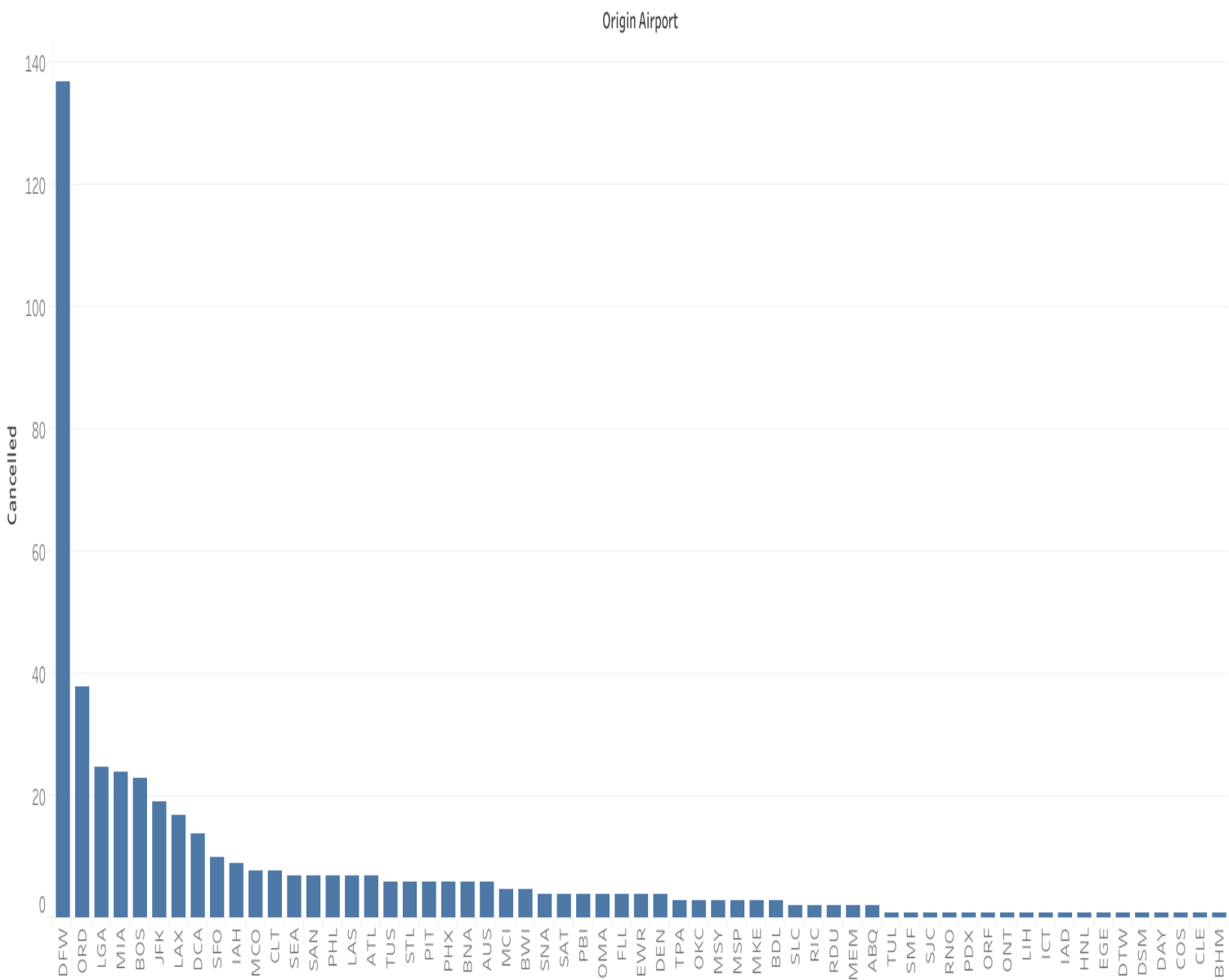
Cancellation types with airlines



Most Cancellation Origin Airports

- **Dallas/Fort Worth International Airport** showed the highest cancellation **137 times**.
 - **The following Airports** showed the lowest cancellation time of **1 time** only:
1. Birmingham-Shuttlesworth International Airport
 2. McClellan-Palomar Airport
 3. City of Colorado Springs Municipal Airport
 4. Daytona Beach International Airport
 5. Des Moines International Airport
 6. Detroit Metropolitan Airport
 7. Eagle County Regional Airport
 8. Honolulu International Airport
 9. Washington Dulles International Airport
 10. Wichita Dwight D. Eisenhower National Airport (Wichita Mid-Continent Airport)
 11. Lihue Airport
 12. Montgomery Regional Airport
 13. Norfolk International Airport
 14. Portland International Airport
 15. Arnold Palmer Regional Airport
 16. Norman Y. Mineta San Jose International Airport
 17. Sacramento International Airport
 18. Tulsa International Airport

Most Cancellations by Origin airports



Link to my Work

- <https://public.tableau.com/profile/naif.alruwaili#!/>

Resources

- Not Applicable.