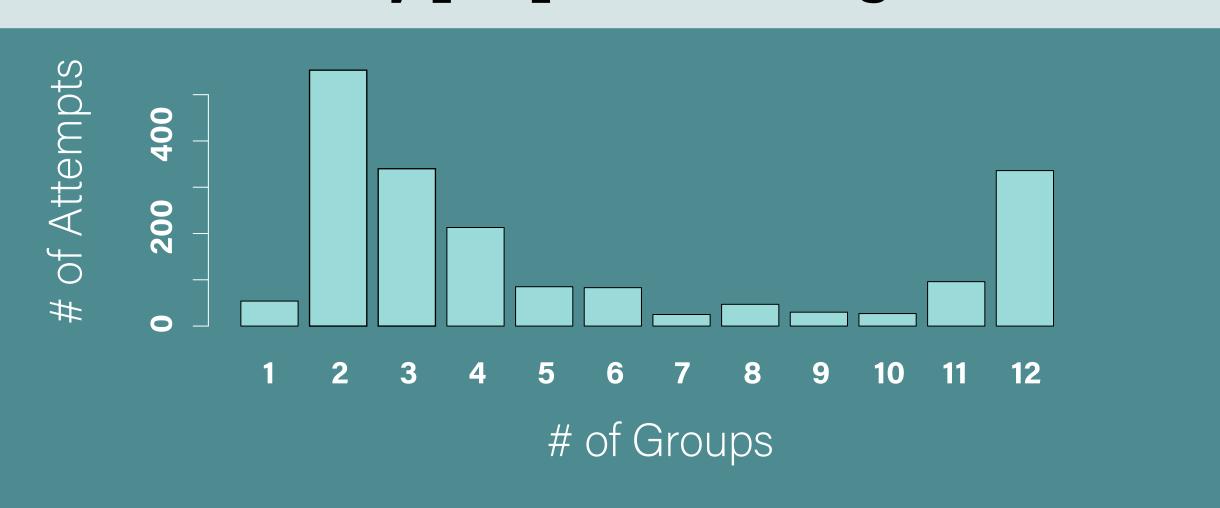
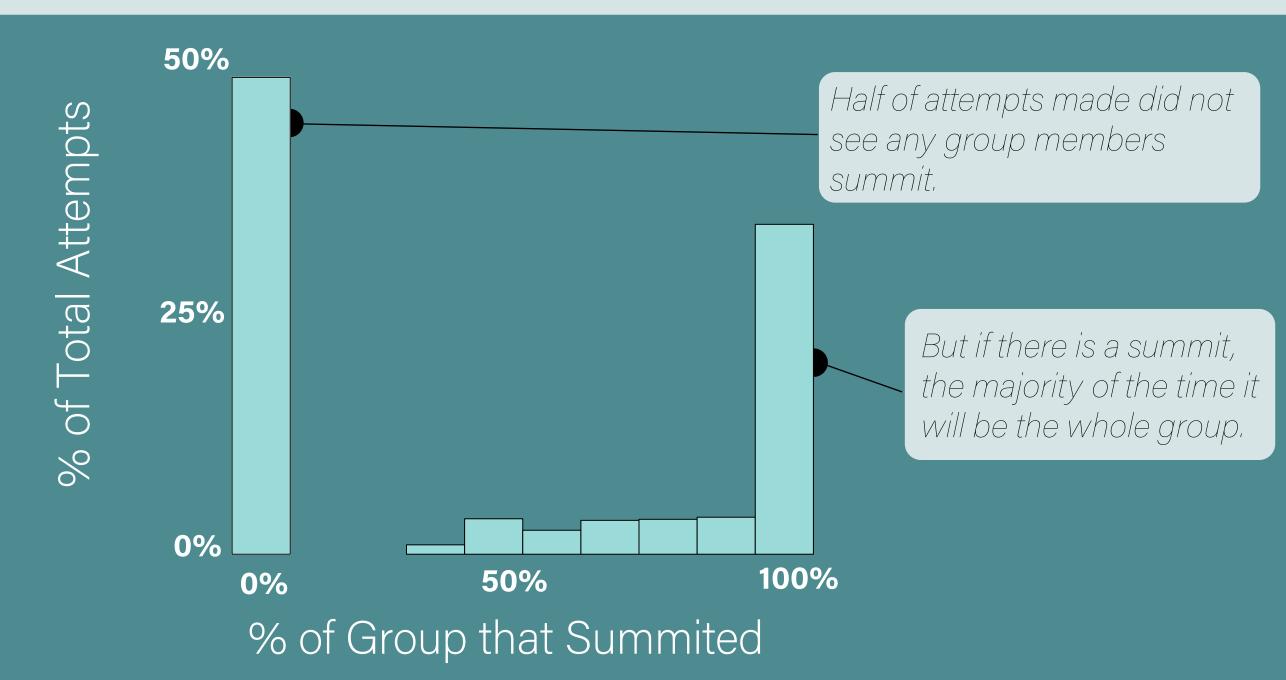
Motivation: Before you climb a mountain, there are a lot of factors to consider: which route to climb, how many people to climb with, and, of course, the weather. While advice from more experienced climbers is certainly useful, leveraging the available data to make these decisions could make the difference between a successful summit and turning back early. || **Data:** For those who want to climb Mt. Rainier, there's available data between 04/14 and 11/15 on climbing data (4 columns) and weather conditions (6 columns) for 1889 climbing group attempts.

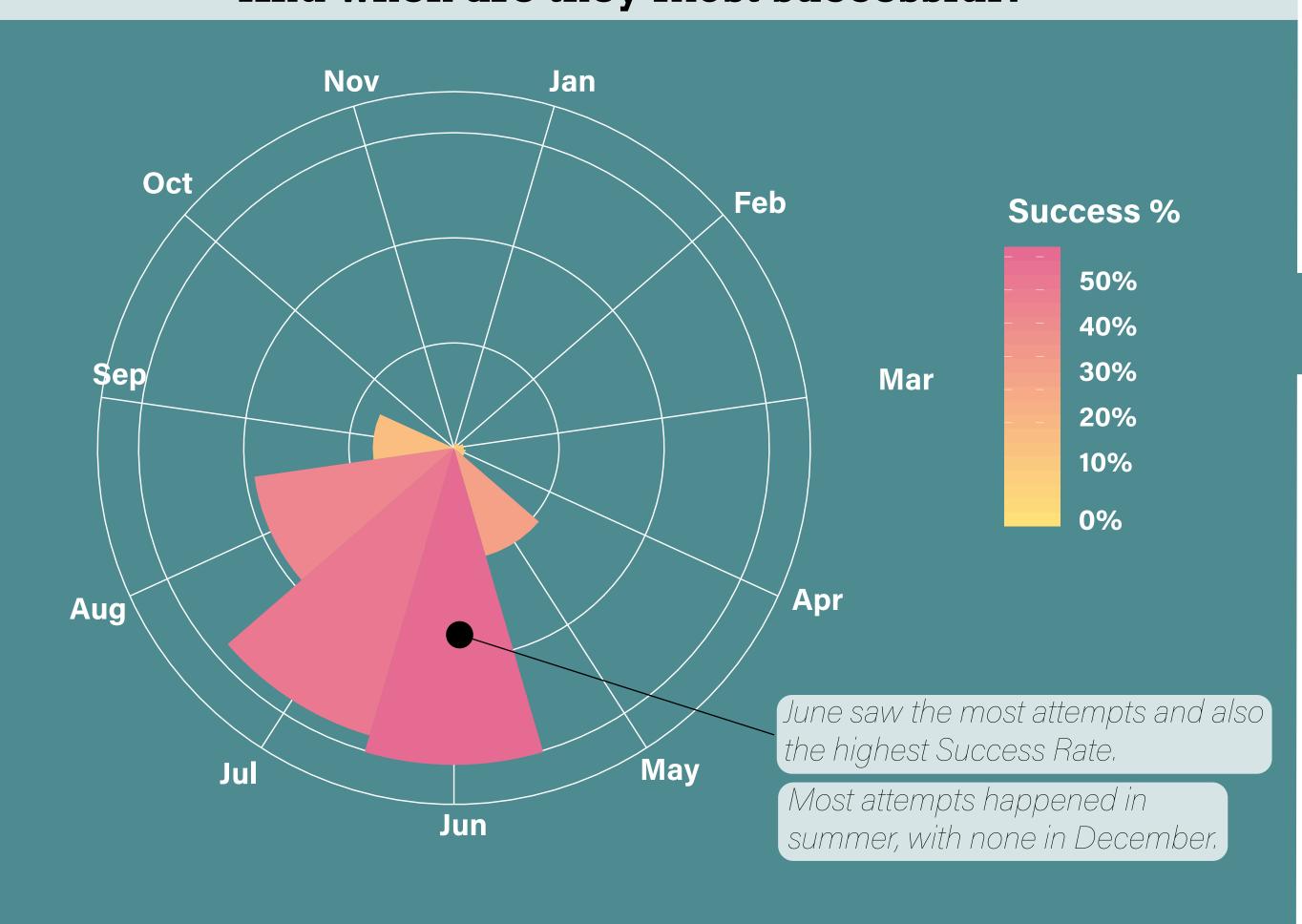
How many people climb together?



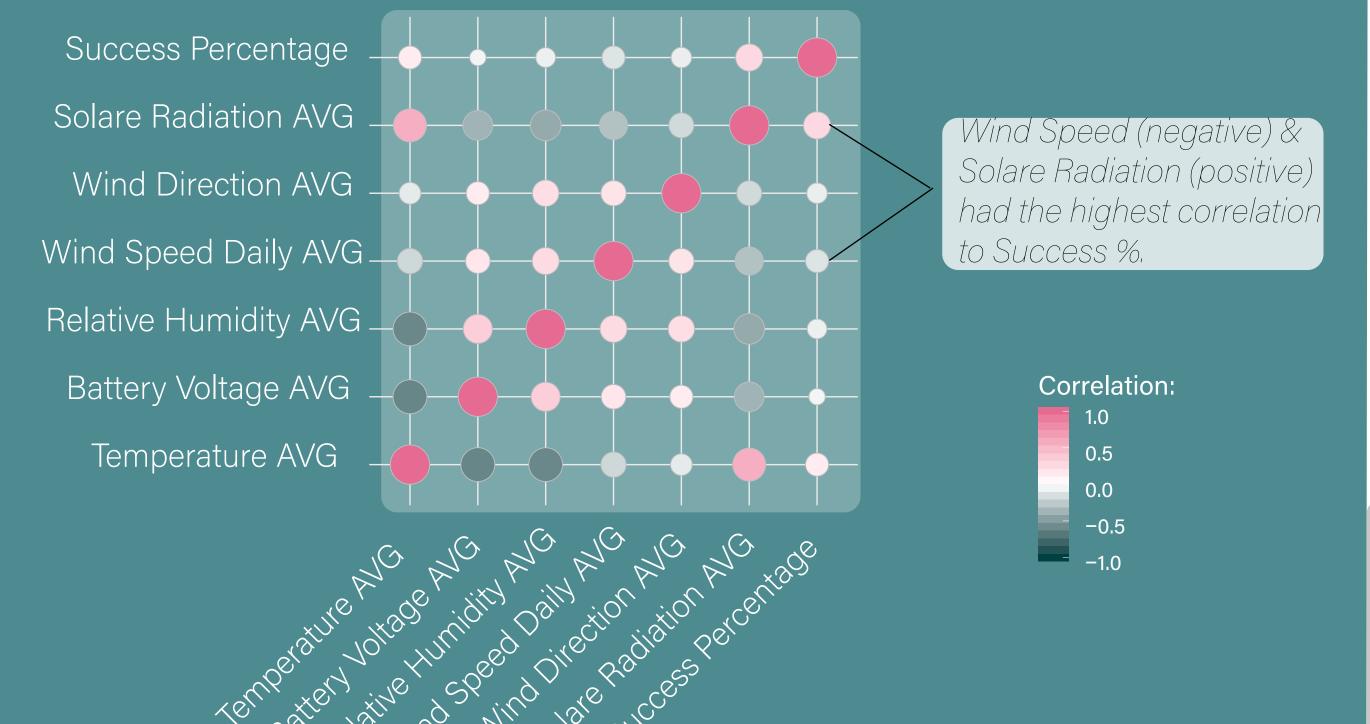
How often do they summit?



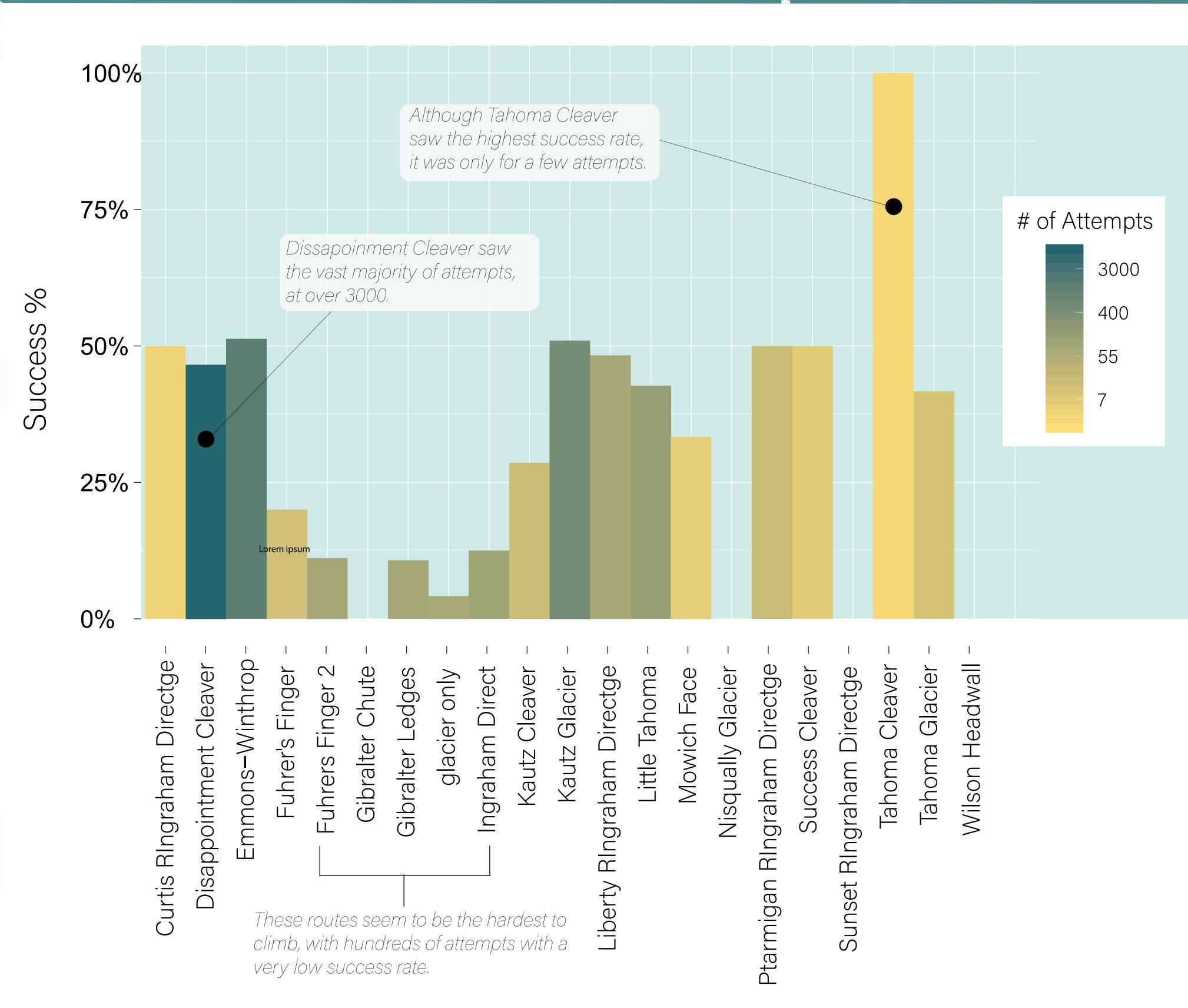
When do most people climb Mt. Rainier? And when are they most successful?



How do weather variables correlate to success percentage?



Which routes are most successful? And which are most often attempted?



How does wind and solar radiation impact success?



Wind Speed Daily AVG

R Packages: readr; ggplot2; tidyr; ggcorrplot; lubridate; dplyr

Data Source: https://www.kaggle.com/codersree/mount-rainier-weather-and-climbing-data

Images: Mt. Hood: https://all-free-download.com/free-vector/download/mount-hood-clip-art_24271.html; Mountain Landscape: http://clipart-library.com/clip-art/mountain-silhouette-vector-free-19.html

R Code: Correlation plot: http://www.sthda.com/english/wiki/ggcorrplot-visualization-of-a-correlation-matrix-using-ggplot2; Most successful routes aggregation: https://ro-che.info/articles/2017-02-22-group_by_month_r