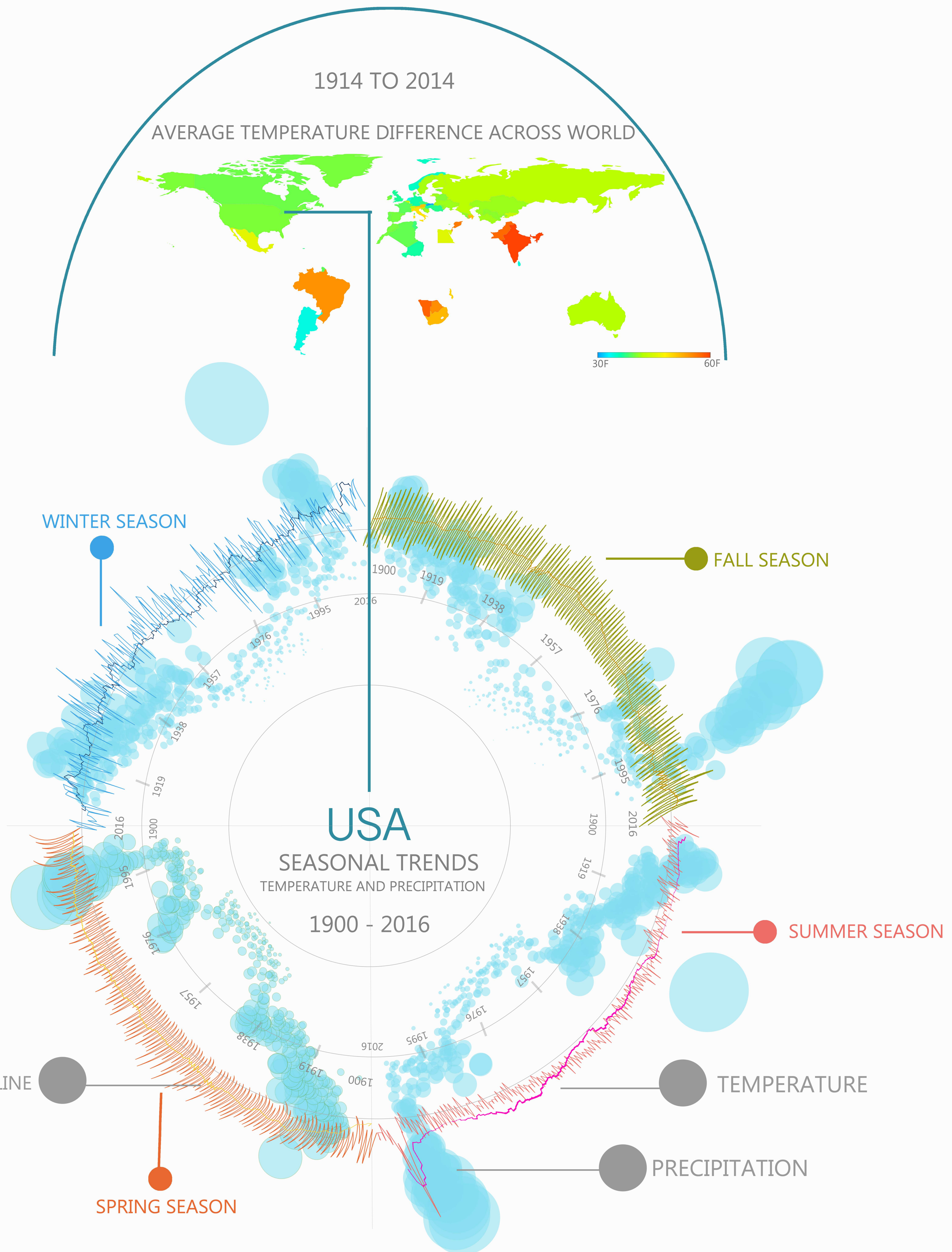


# GLOBAL CLIMATE CHANGE: FACT OR MYTH ?

Data Analysis Weather Data Across the World



**CHALLENGE:**  
DATA SIZE: 25GB  
1000,790 Files from  
Multiple Weather Stations

Download data  
into Hadoop cluster

Use MapReduce  
Calculate monthly  
and Yearly Avgs  
from daily data

Used Spark,  
to create RDDs  
and save  
as a parquet file

Spark, SQL and Hive  
Context to query  
table returning .  
csv files for analysis

Create Time Series and  
Used Rolling Statistics  
to identify Trend

Use Python to analyze data  
and create visualizations