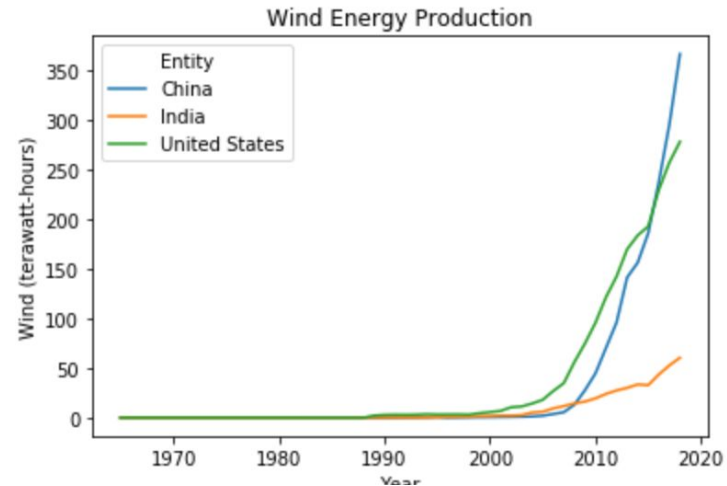
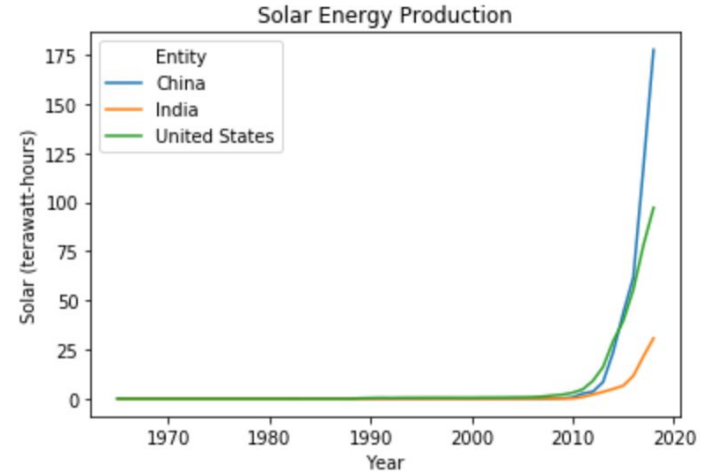


Analysis of Solar and Wind Energy Production in the Top 3 Energy Consuming Countries



Background Information

- Demand for renewable energy increasing immensely
- Solar and wind energy specifically had exponential growth in production

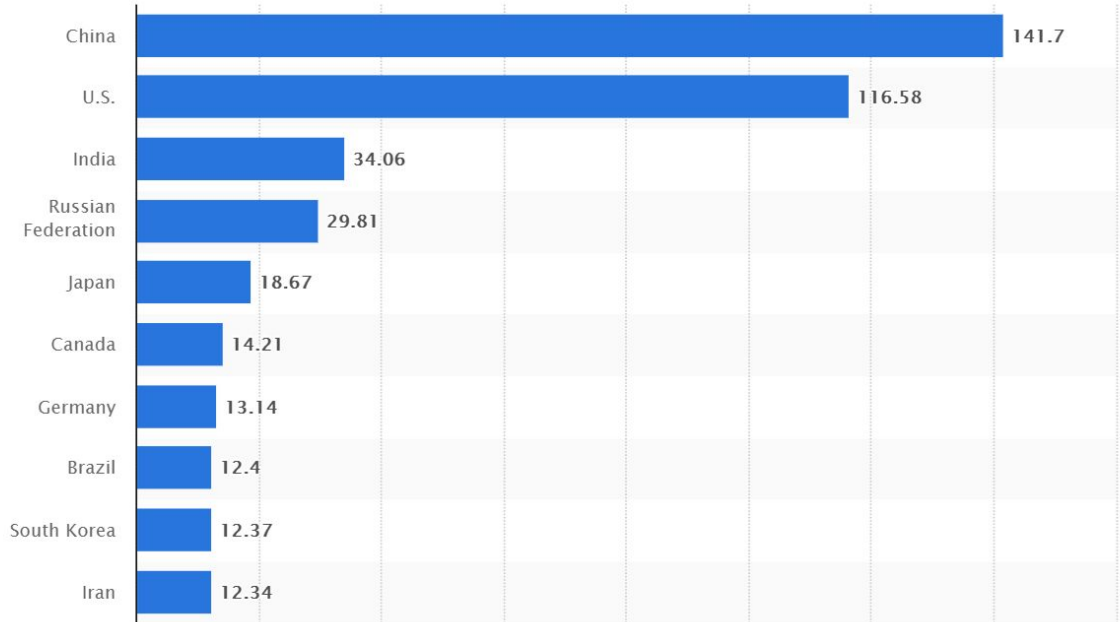




Overview

- In 2019 the top three energy consuming countries were China, U.S, and India
- Is there a significant difference in solar and wind energy production between the top 3 countries?

2019 Top 10 Energy Consuming Countries
(exajoules)





About the Data

- Production of renewable energy sources including hydropower, solar, wind, geothermal and modern biofuel
- 99 different countries with data from 1965 to 2018
- [Link to data set](#)
 - Data obtained from [BP's Statistical Review of World Energy](#)

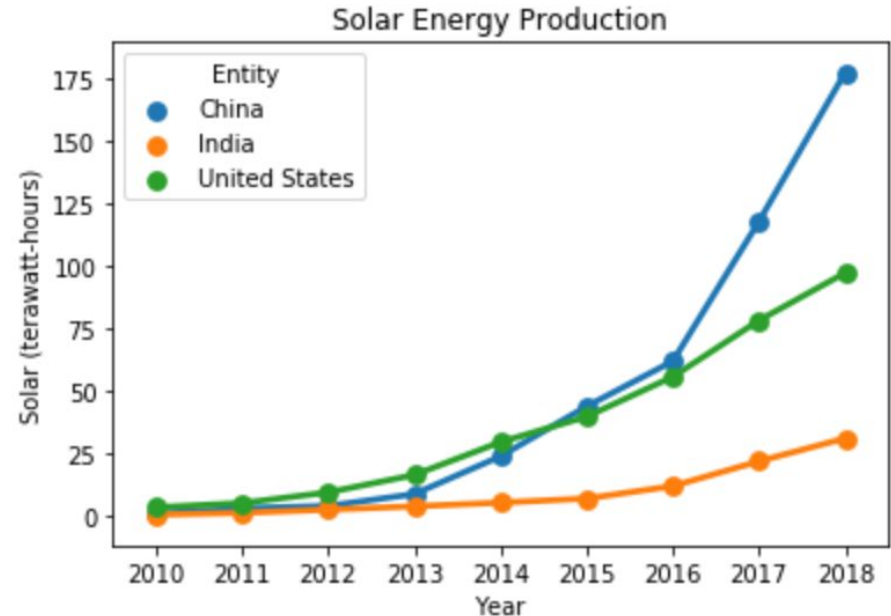


Data Interpretation

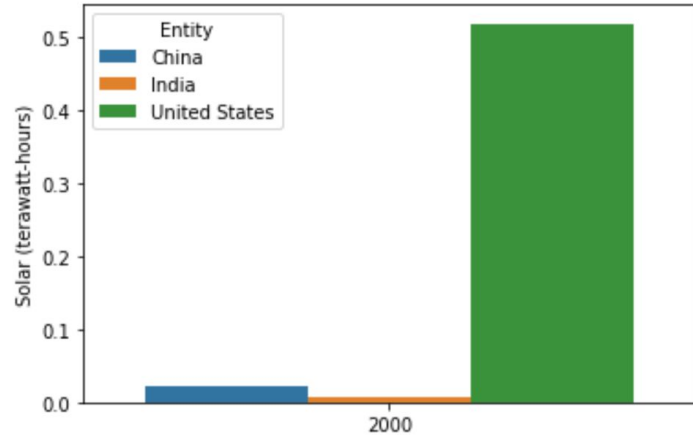
- Statistical test comparing the medians of solar energy production
- Common language effect size of 54% between US and China
- Common language effect size of 56% between US and India

Solar Energy Production

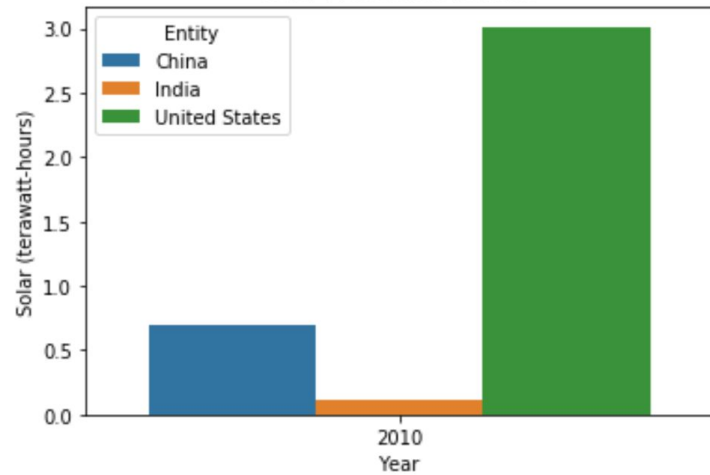
- U.S produced more solar energy than China for 29 years
- U.S produced more solar energy than India for 30 years



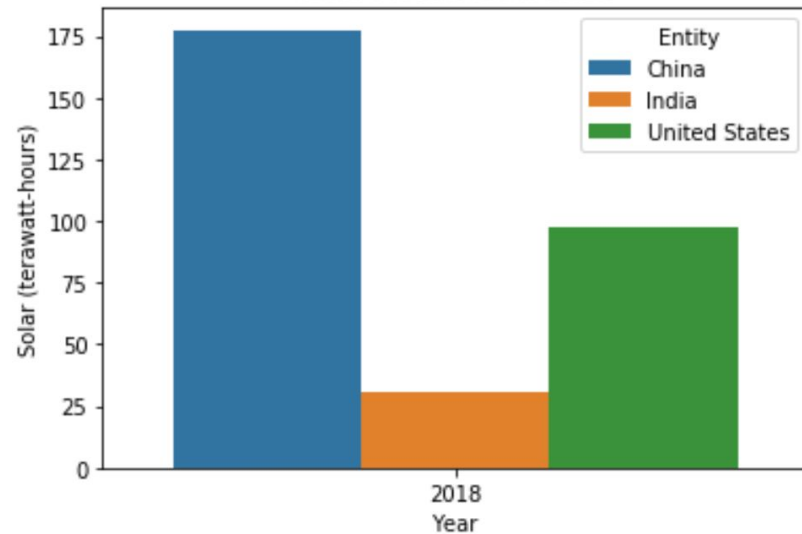
Solar Production in 2000



Solar Production in 2010

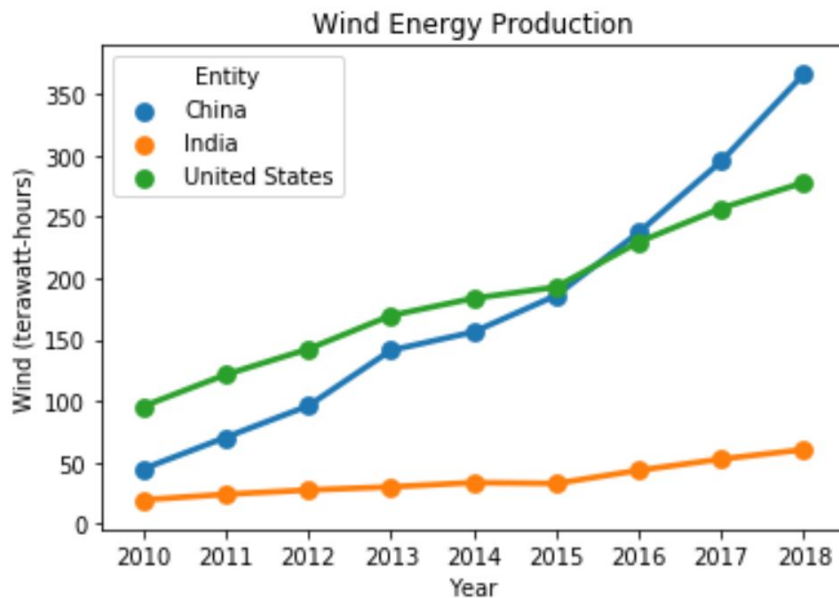
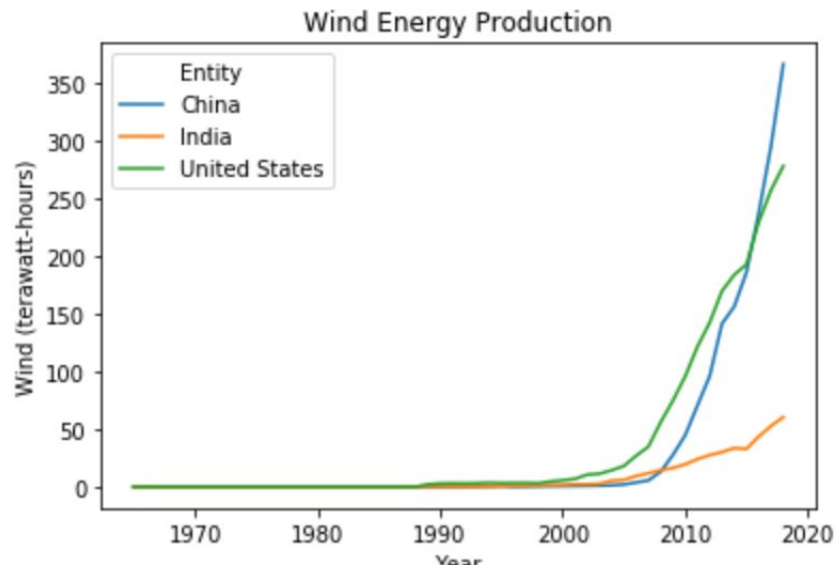


Solar Production in 2018





Wind Energy Production





Call to Action

- Invest in solar and wind energy
- Make the transition from fossil fuels to renewable energy



Questions?



Thank you!

