

## How Impactful is the FIFA World Cup?

As the world's most popular sport, soccer has become a sport of universal celebration, which is highlighted during the FIFA World Cup. The FIFA World Cup is an international soccer tournament that occurs every four years between national teams of each country. However, have you ever wondered about the true impact of the FIFA World Cup? That is what you will be able to analyze within this project!

You are going to examine this impact by looking at commodity prices and seeing if the FIFA World Cup is an impactful enough event to influence the prices of commodities. To do this, you will need to use time-series data of your chosen commodities and choose what World Cups you would like to examine. You should be creative! Choose a time interval and commodities that make the most sense to you. There are a number of different commodities that you can hypothesize to be involved and influenced by the occurrence of the World Cup. Currently, there is limited research on the effects of the FIFA World Cup on commodity prices, so you have the ability to fill a gap in research. Potential insights of this research can inform industries and economies affected by commodity price fluctuations. Therefore, you have an opportunity to make a true impact with this research!

Through mathematical modeling and machine learning, I want you to choose three commodities through a specific time interval of the World Cup and choose a modeling technique that will allow you to examine your area of interest. This area of interest could be forecasting commodity prices, examining the relationships between the three commodities, or any other research question that excites you.

When finished, you should be able to explain the significance of the FIFA World Cup on your commodity prices and the modeling techniques used to examine your area of interest. With this, you are completing an analysis and learning skills that will be impactful as you continue your interest in data science!