

## DAV Assignment-1

The Olympic Games is a well-known sporting platform which is recognized all over the world, has been distinguished from the late 19th century. Olympics has a rich history, spanning from 1896 till 2018, and has been a part of history. We are considering the data from 1976-2008. This is an interesting topic to see how the historical events have affected the specifics of Olympics and how it has been changing till date.

This report attempts to build around the following theory, with some connection to historical happenings where suitable.

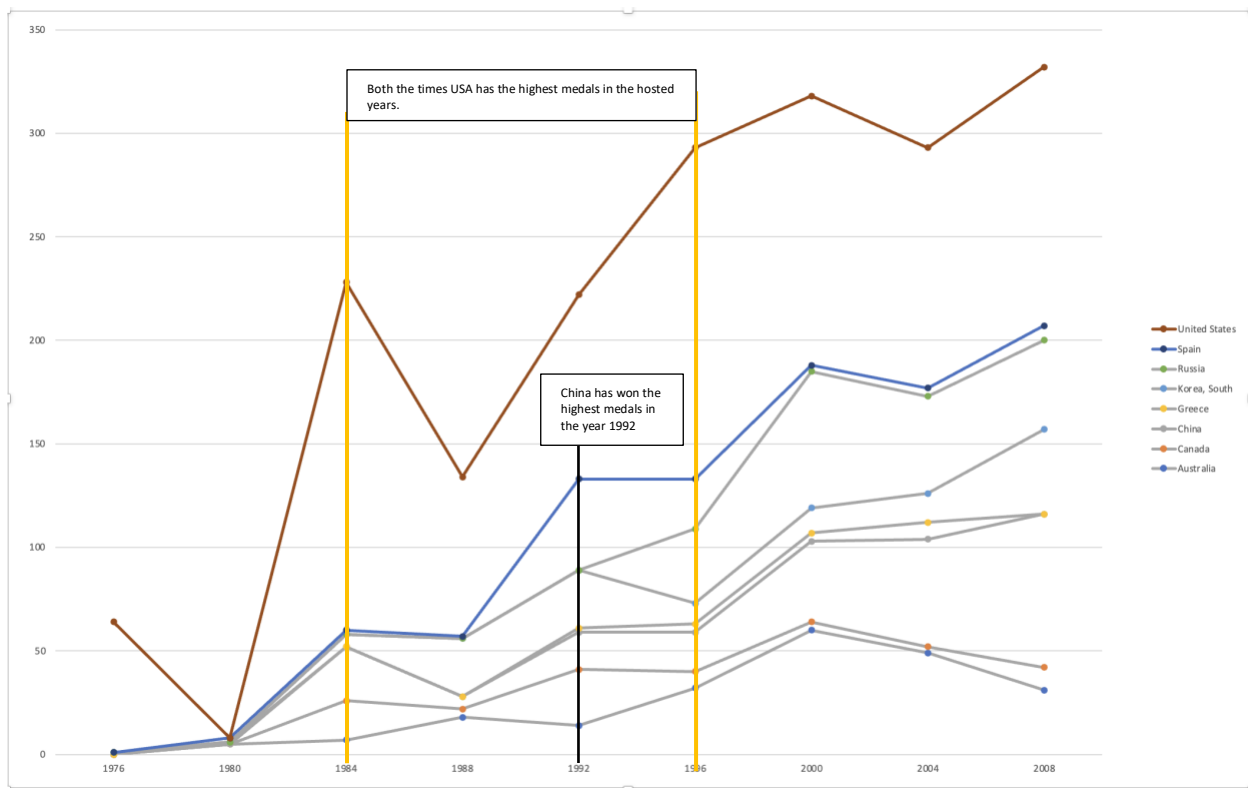
The advantage of host country in any sporting activity is well known, as the participants will have familiarity of the field, and there is a great support from the home crowd. When it comes to Olympics, this theory has been holding well for few countries. In the 32 years of data, we have considered here, 8 countries have hosted the Olympics.

### ◆ Host team Advantage?

The line graph below shows the respective countries winning number medals over the years.

Here, USA has hosted the Olympic games in the year 1984 and 1996. Clearly, there is a huge difference between the other countries that hosted over the years. Both the times USA has won the highest medals with respect to other countries.

Similarly, Spain has hosted the Olympics in the year 1992. We can observe the same this time too.



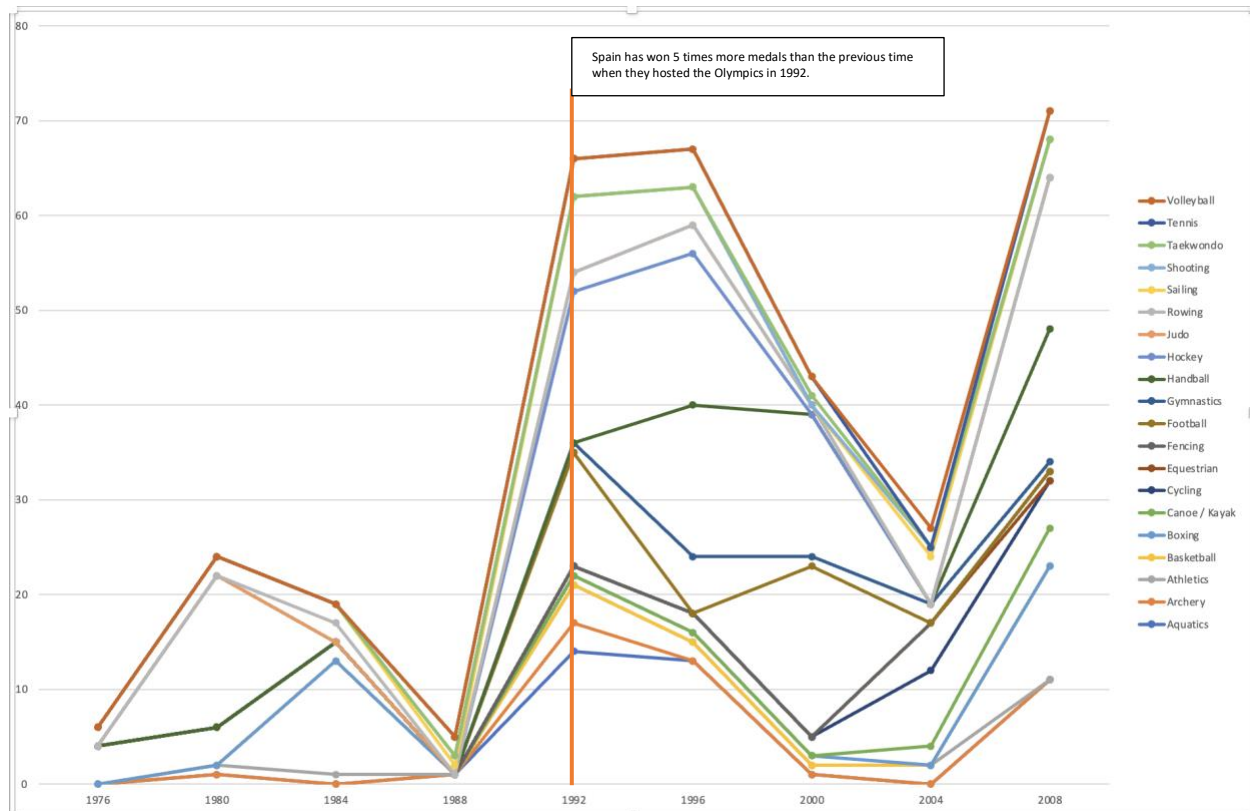
◆ **USA- Medals won with respect to sports over the years:**

The rise in medals during years that USA hosted gives us an insight to understand the host team advantage being proportional to winning number of medals.



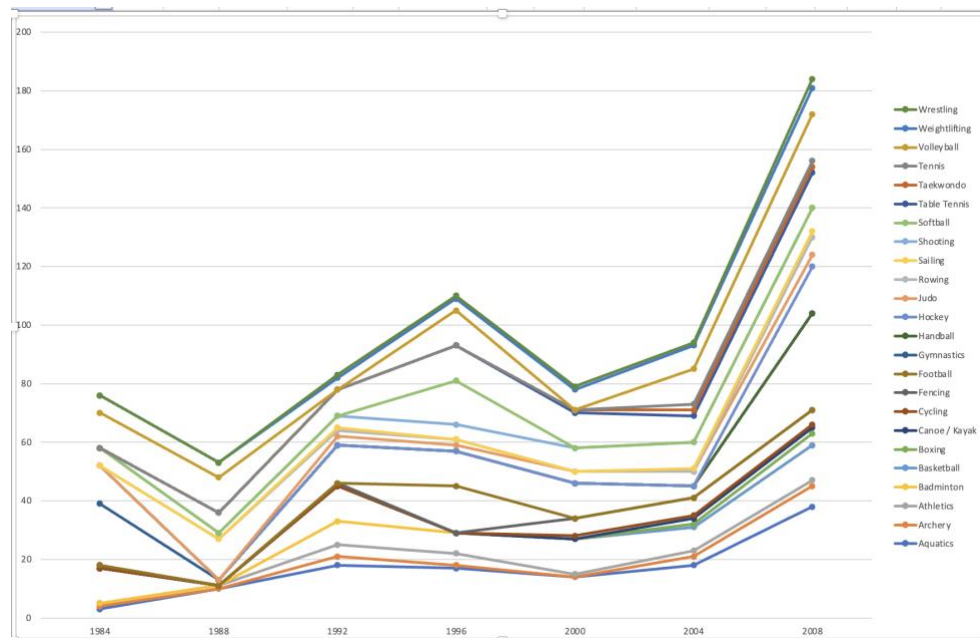
◆ **SPAIN- Medals won with respect to sports over the years:**

Spain tremendous increase in medal count when they hosted the Summer Olympics in 1992.



◆ **CHINA- Medals won with respect to sports over the years:**

Like Spain, we can see a drastic increase of medals in almost all sports in the year 2008. But, we cannot be conclusive about the trend after 2008 and the data is limited till 2008.



◆ **Extra insight during my research:**

During 1980, over 60 countries boycotted the Olympics. That is the reason we see a dip in 1980 shown in the below visual. This is due to the Soviet-Afghan war and Russia being the host nation that year, all the countries over the world protested this by boycotting the Olympics.

