**Counting USA vs. USSR Cold War Olympic Sports**

The Olympic competitions between 1952 and 1988 took place during the height of the Cold War between the United States of America (USA) & the Union of Soviet Socialist Republics (USSR). Your goal in this exercise is to aggregate the number of distinct sports in which the USA and the USSR won medals during the Cold War years.

The construction is mostly the same as in the preceding exercise. There is an additional filtering stage beforehand in which you reduce the original DataFrame medals by extracting data from the Cold War period that applies only to the US or to the USSR. The relevant country codes in the DataFrame, which has been pre-loaded as medals, are 'USA' & 'URS'.

**INSTRUCTIONS**

* Create a Boolean Series called during\_cold\_war by extracting all rows from medals for which the 'Edition' is >= 1952and <= 1988.
* Create a Boolean Series called is\_usa\_urs by extracting rows from medals for which 'NOC' is either 'USA' or 'URS'.
* Filter the medals DataFrame using during\_cold\_war and is\_usa\_urs to create a new DataFrame called cold\_war\_medals.
* Group cold\_war\_medals by 'NOC'.
* Create a Series Nsports from country\_grouped using indexing & chained methods:
  + Extract the column 'Sport'.
  + Use .nunique() to get the number of unique elements in each group;
  + Apply .sort\_values(ascending=False) to rearrange the Series.
* Print the final Series Nsports.

# Extract all rows for which the 'Edition' is between 1952 & 1988: during\_cold\_war

during\_cold\_war = (medals.Edition>=1952) & (medals.Edition<=1988)

# Extract rows for which 'NOC' is either 'USA' or 'URS': is\_usa\_urs

is\_usa\_urs = medals.NOC.isin(['USA', 'URS'])

# Use during\_cold\_war and is\_usa\_urs to create the DataFrame: cold\_war\_medals

cold\_war\_medals = medals.loc[during\_cold\_war & is\_usa\_urs]

# Group cold\_war\_medals by 'NOC'

country\_grouped = cold\_war\_medals.groupby('NOC')

# Create Nsports

Nsports = country\_grouped['Sport'].nunique().sort\_values(ascending=False)

# Print Nsports

print(Nsports)