This material uses the Olympic data set. By exploring the difference between the number of male and female athletes in different years, students would know how to use python to draw line charts and bar charts, at the same time, this material tries to convey the idea of gender equality.

The first part wants to make students to think through a video: Can male and female athletes achieve equality in sports?

The second part is a brief introduction to the history of the Olympics in terms of gender equality

The third part is Explore dataset and Visualization. First, we need ensure the success of the students Python environment set-up. Then, there is an introduction of the dataset and the package that would be used in visualization: pandas, seaborn. Finally, this material shows how to visualize bar charts and line charts.

The fourth part introduces the new progress of the 2020 Olympics in the equality of men and women. Finally, we use an Olympic trailer to look to the future.