

## 4 Case Study - Summer Olympics

100%

To cement your new skills, you'll apply them by working on an in-depth study involving Olympic medal data. The analysis involves integrating your multi-DataFrame skills from this course and also skills you've gained in previous pandas courses. This is a rich dataset that will allow you to fully leverage your pandas data manipulation skills. Enjoy!

▶ Medals in the Summer Olympics	50 xp
</> Loading Olympic edition DataFrame	100 xp
</> Loading IOC codes DataFrame	100 xp
</> Building medals DataFrame	100 xp
▶ Quantifying Performance	50 xp
</> Counting medals by country/edition in a pivot table	100 xp
</> Computing fraction of medals per Olympic edition	100 xp
</> Computing percentage change in fraction of medals won	100 xp
▶ Reshaping and plotting	50 xp
</> Building hosts DataFrame	70 xp
</> Reshaping for analysis	100 xp
</> Merging to compute influence	100 xp
</> Plotting influence of host country	100 xp
▶ Final thoughts	50 xp

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**HIDE CHAPTER DETAILS**