WOMEN'S BOULDERING

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Table of Content

Introduction

BOULDERING

- a form of free climbing that is performed on small rock formations or artificial rock walls without the use of ropes or harnesses;

- an explosive performance on routes (problems) with a maximum height of 4 metres and safety mats below. The athlete who solves the most problems in the lowest number of attempts wins.

Introduction

I started bouldering this year and fell in love with the sport; with the intent of developing my Data Analyst portfolio I've chosen to bring together these two passions of mine into a analytical project.

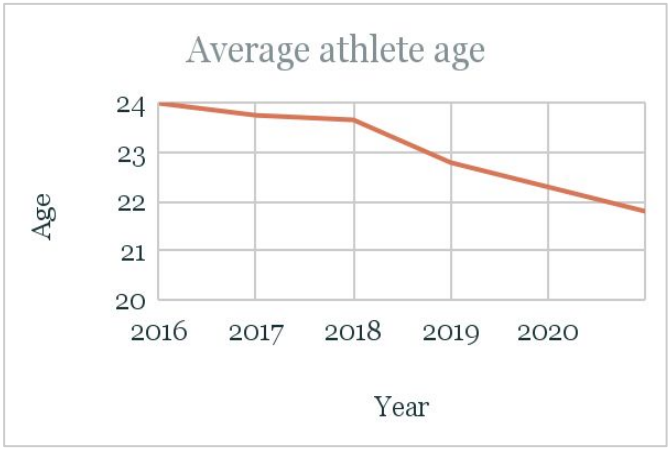
The purpose of this project is to explore the data concerning the **Women's Bouldering World Cups** of the last **5 years**, the data used is from 2016 to 2021 and was scraped from the IFSC website. *The year of 2020 held no competitions by cause of the COVID pandemic.

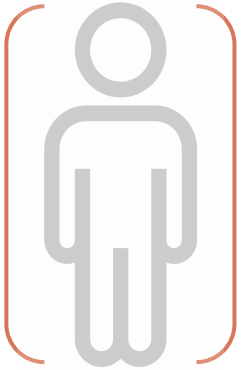
Furthermore, main aim is to show the complete process of analysis.

The project was divided in the following phases:

I. Scrapping the raw data and cleaning (raw_data, clean_data and ultimately DATA sheet);
II. Widely analysing the data and concentrating the findings (ANALYSIS); and later working on the visualization (GRAPHS);
III. Summarizing main insights and findings of the analysis performed on a project presentation (you are here).

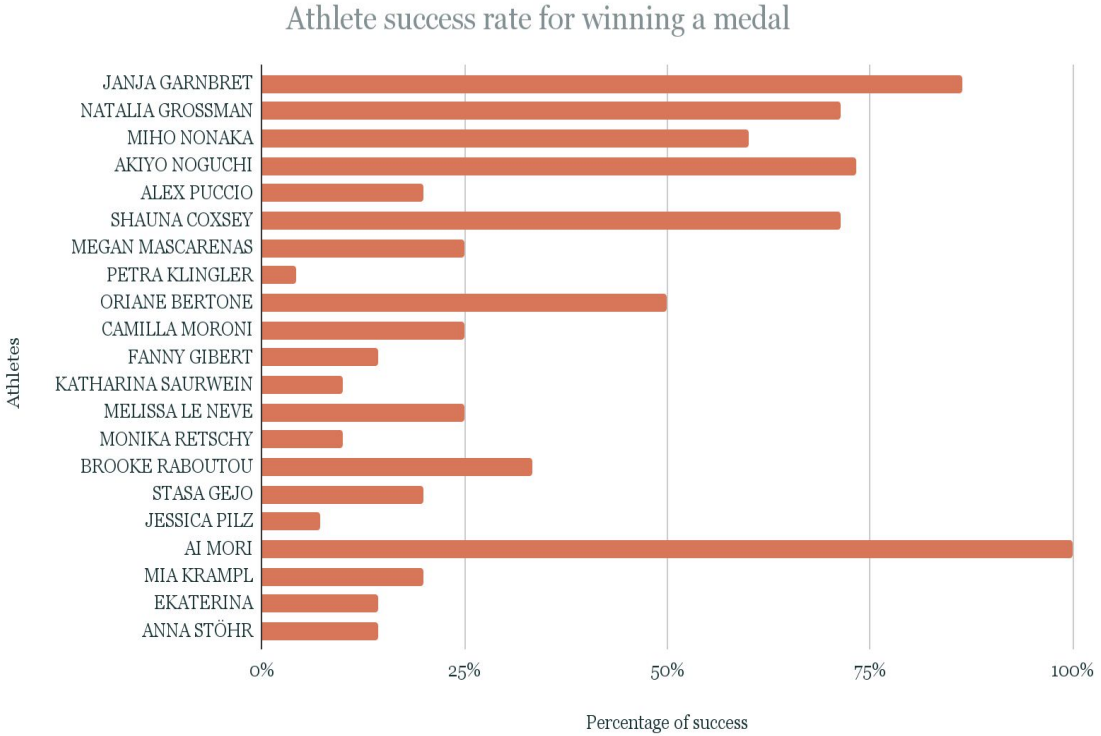
Athlete Statistics



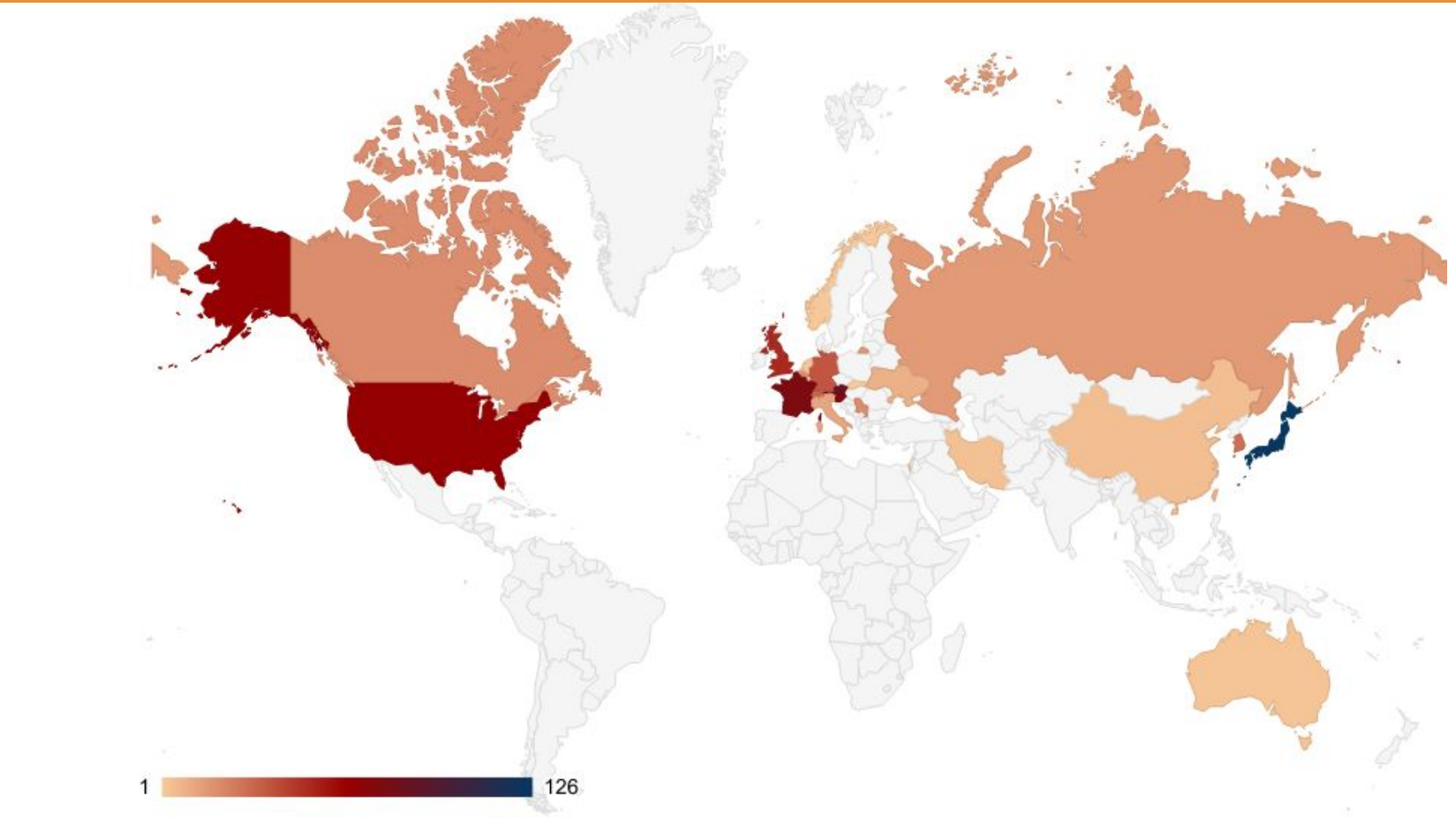


Average height

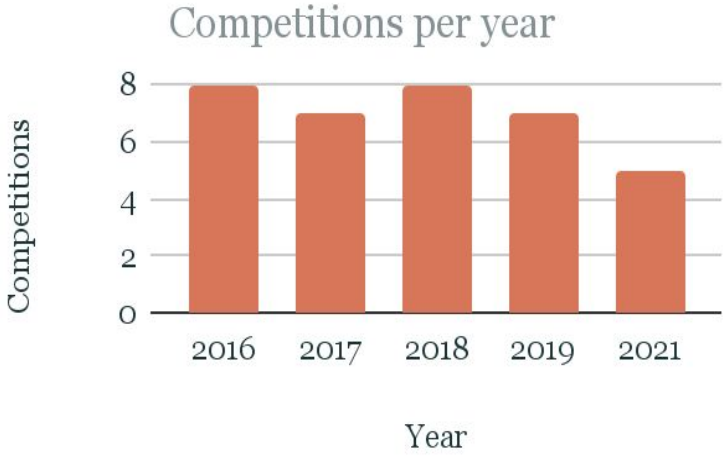
165

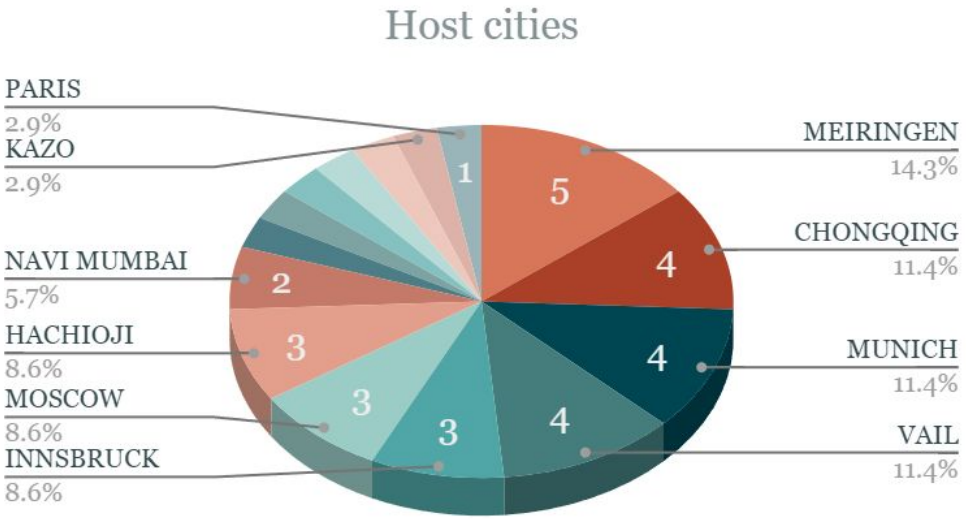


Athletes by country

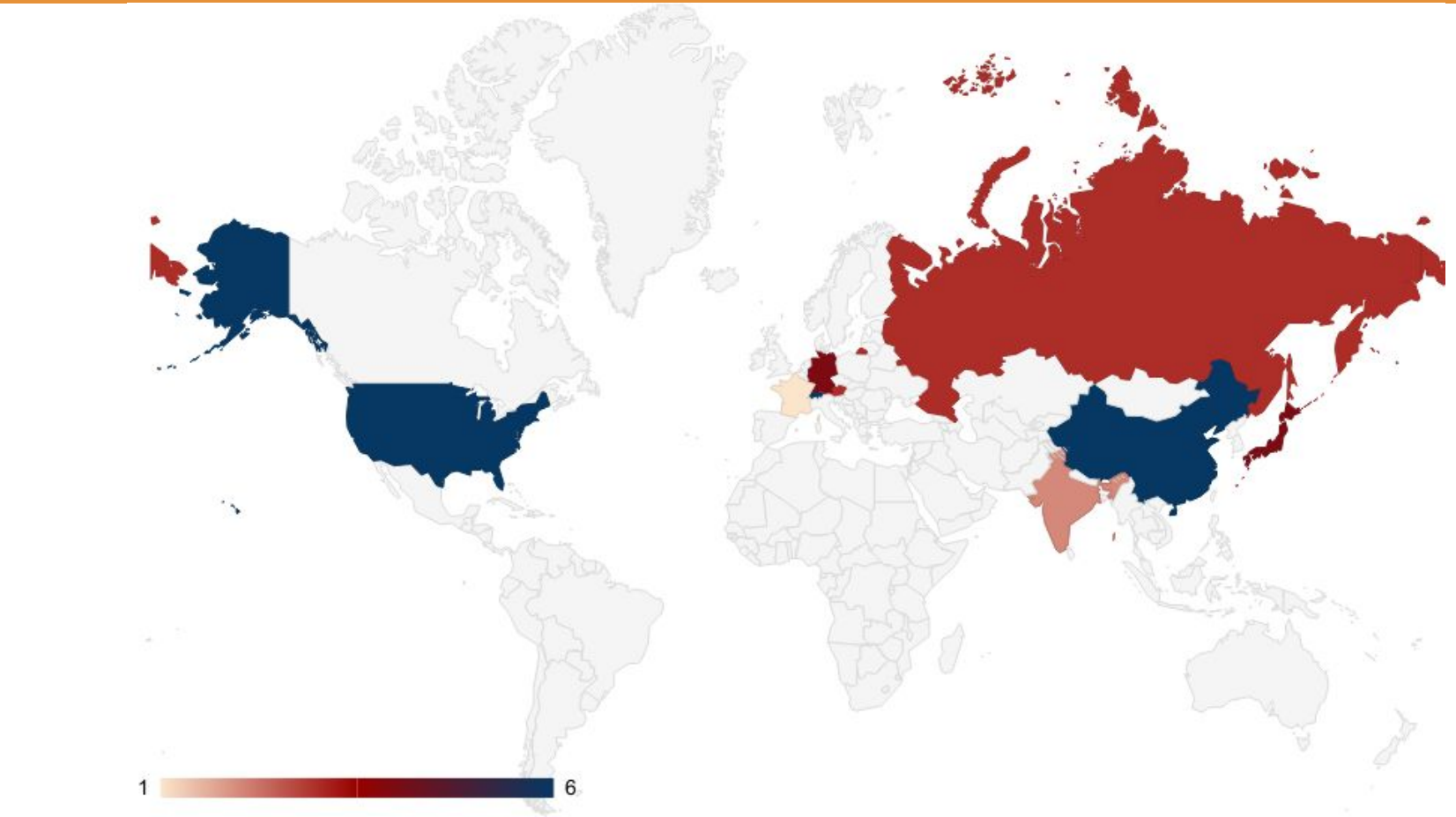


Competition Statistics





Competition locations



Medal Statistics

GOLD

Average age: 23 y.o.

Average height: 164 cm

Janja Garnbret	15
Shauna Coxsey	8
Natalia Grossman	3
Miho Nonaka	3
Akiyo Noguchi	3
Alex Puccio	1
Megan Mascarenas	1
Petra Klingler	1

In **2019** there was one athlete that won all the World Cups:
Janja Garnbret

SILVER

Average age: 24 y.o.

Average height: 164 cm

Akiyo Noguchi	9
Miho Nonaka	8
Shauna Coxsey	5
Janja Garnbret	4
Melissa Le Neve	2
Oriane Bertone	2
Natalia Grossman	1
Camilla Moroni	1
Fanny Gibert	1
Katharina Saurwein	1
Monika Retschy	1

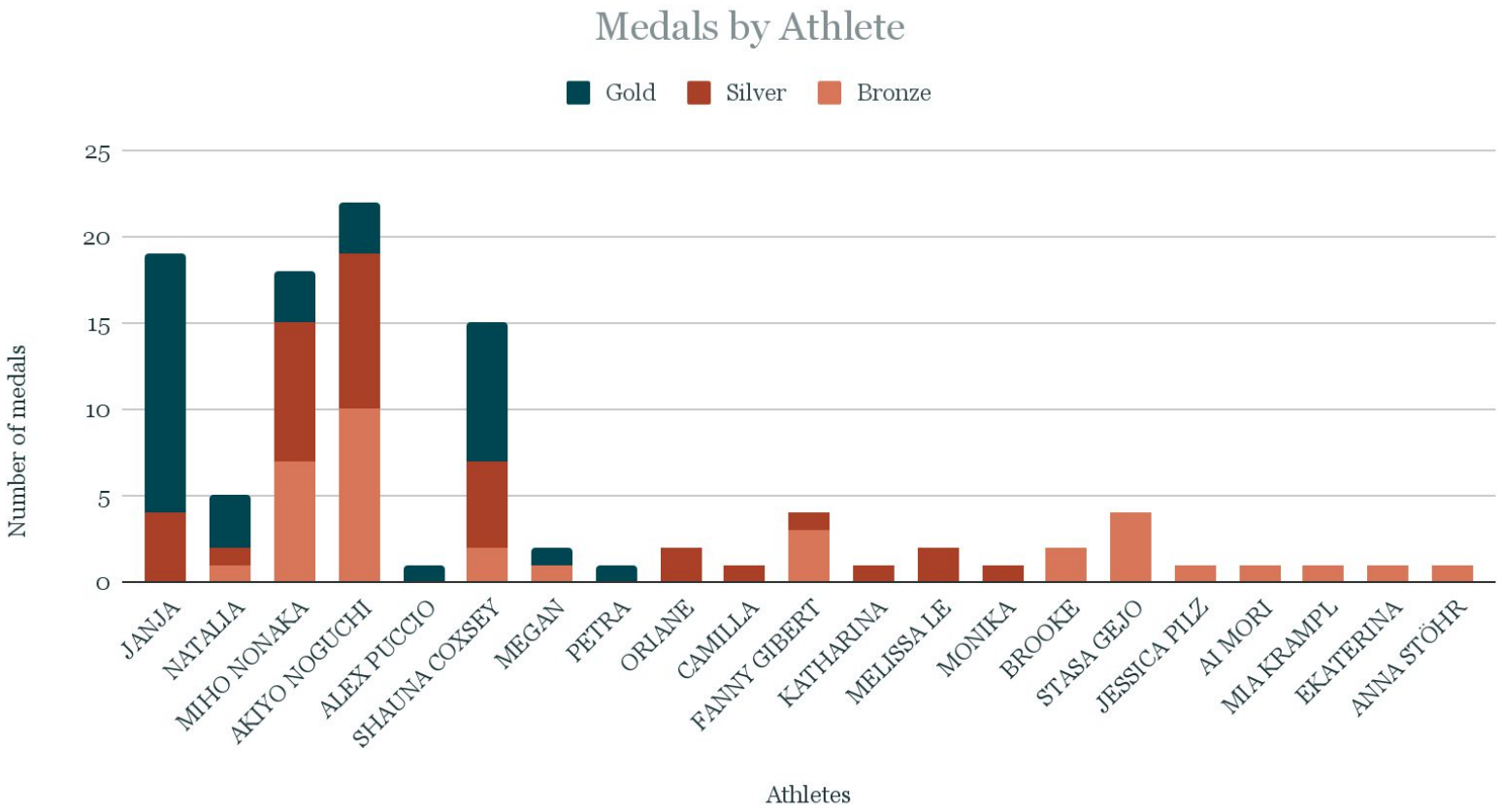
BRONZE

Average age: 24 y.o.

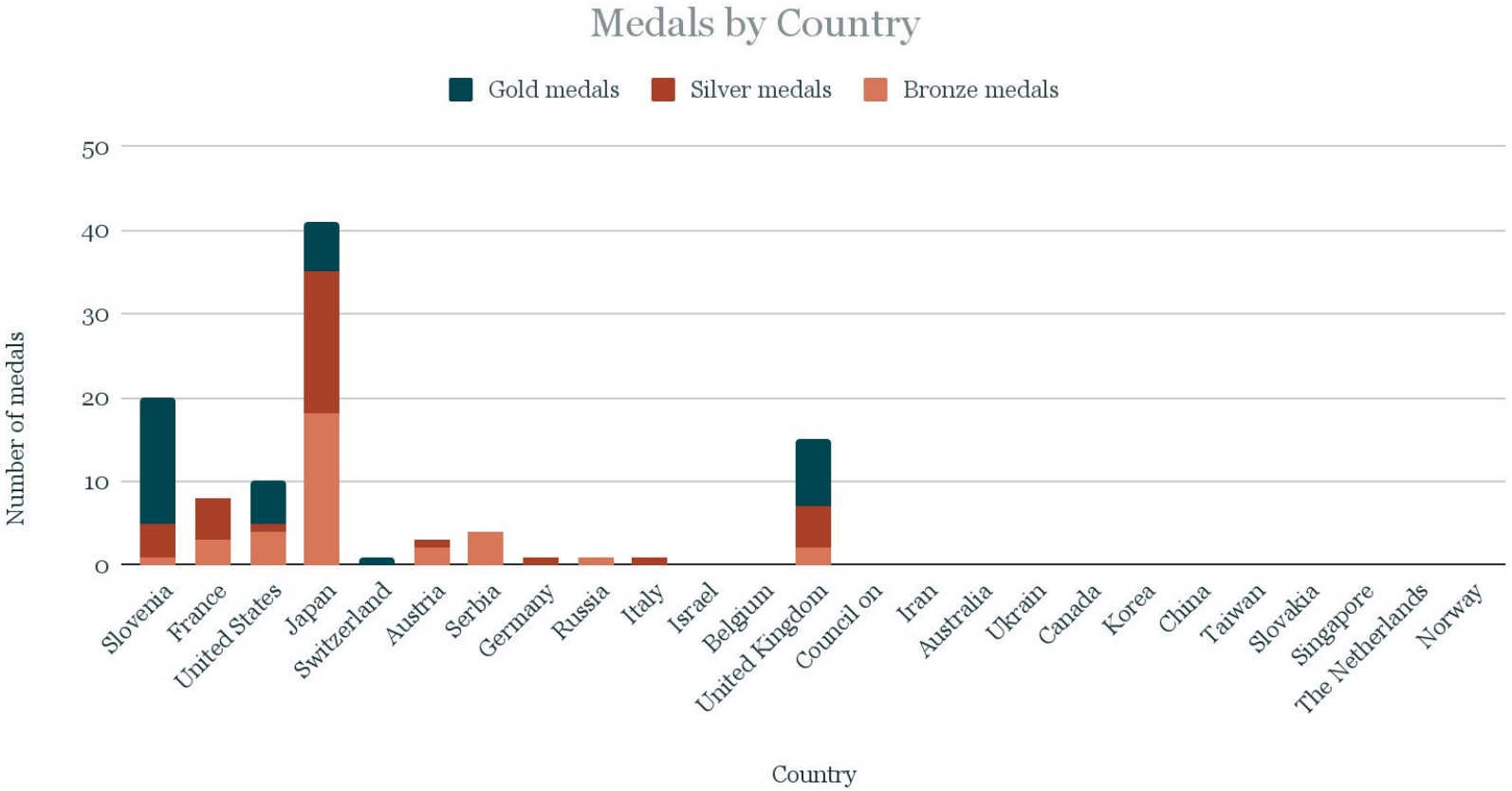
Average height: 166 cm

Akiyo Noguchi	10
Miho Nonaka	7
Stasa Gejo	4
Fanny Gibert	3
Brooke Raboutou	2
Shauna Coxsey	2
Natalia Grossman	1
Jessica Pilz	1
Ai Mori	1
Mia Krampl	1
Ekaterina Kipriianova	1
Megan Mascarenas	1
Anna Stöhr	1

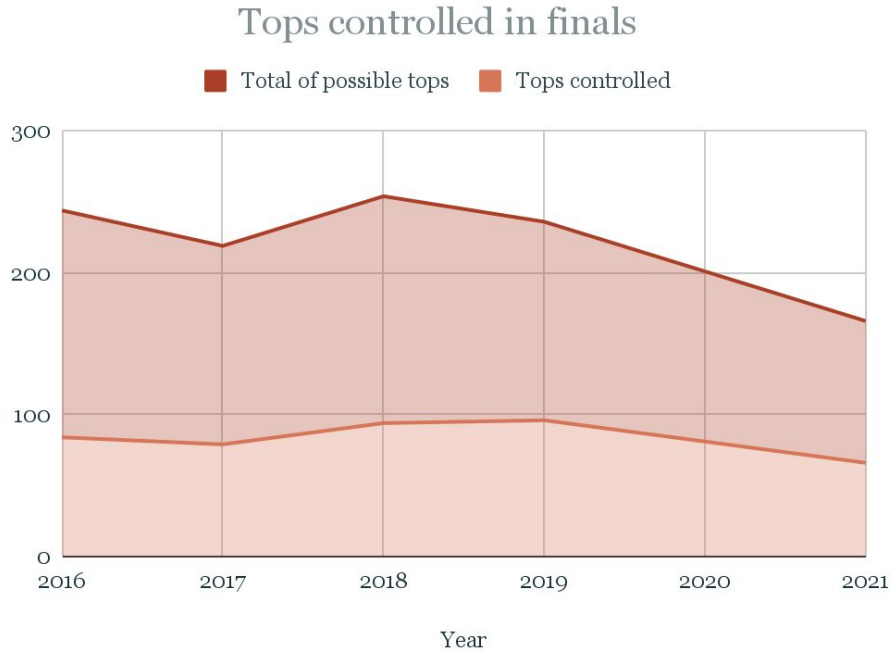
Medal Statistics - Athlete

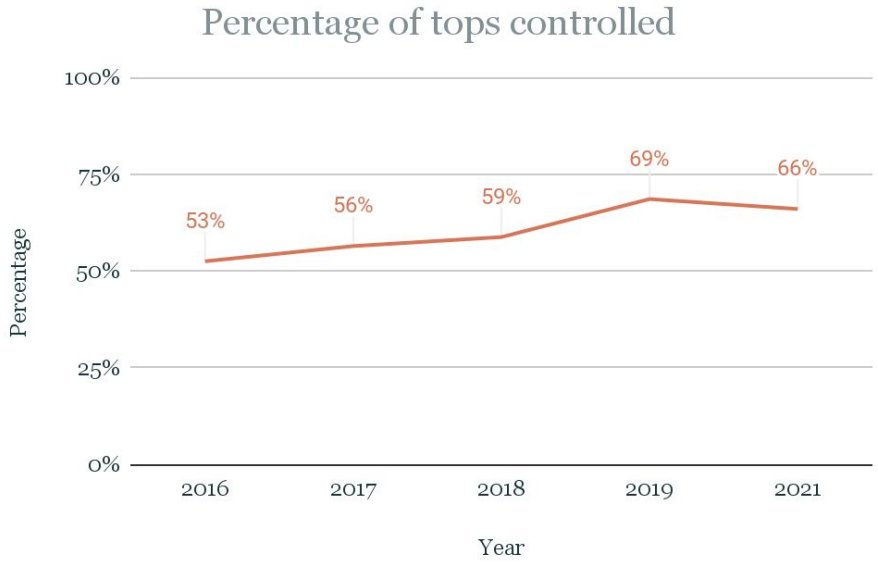


Medal Statistics - Country



Route Statistics

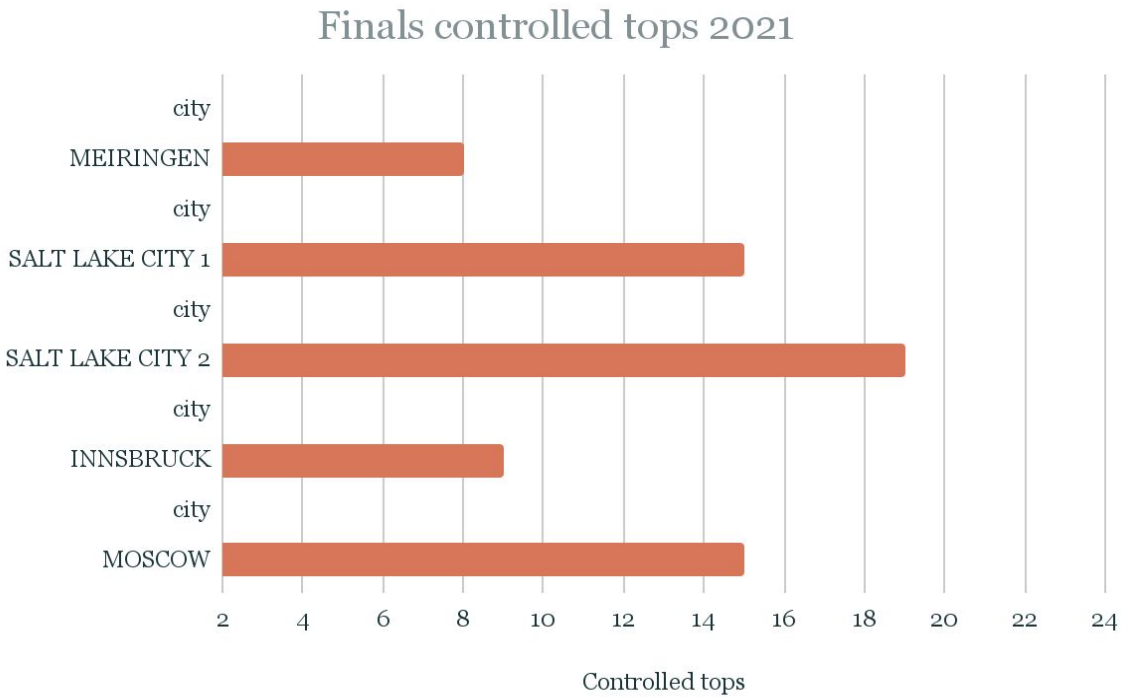




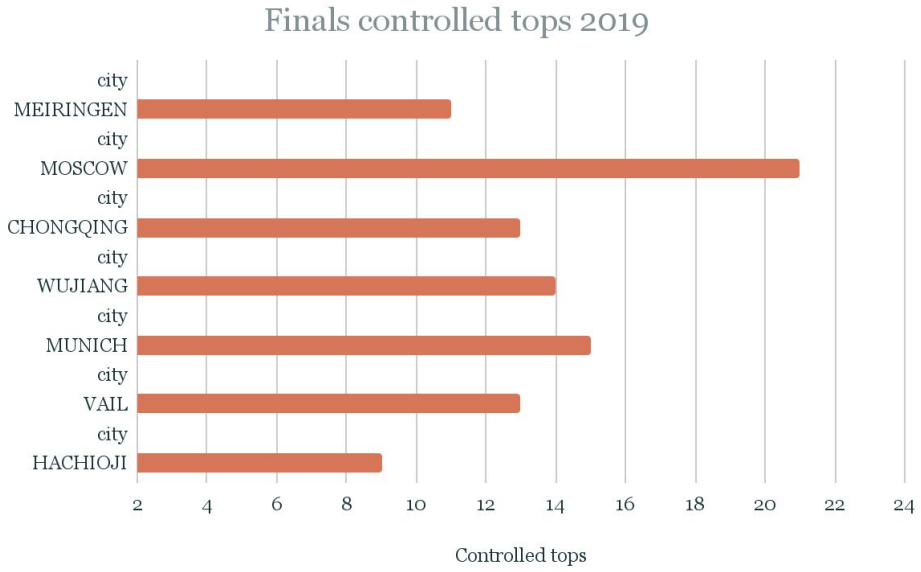
Route Statistics by year

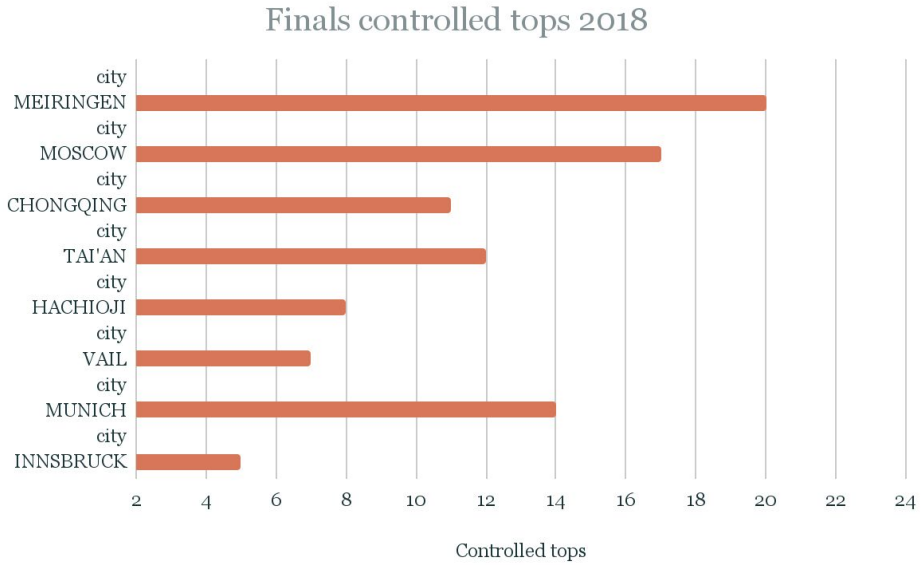
Hardest: Meiringen (8 out of 24)

Easiest: Salt Lake City 2 (19 out of 24)



Route Statistics by year





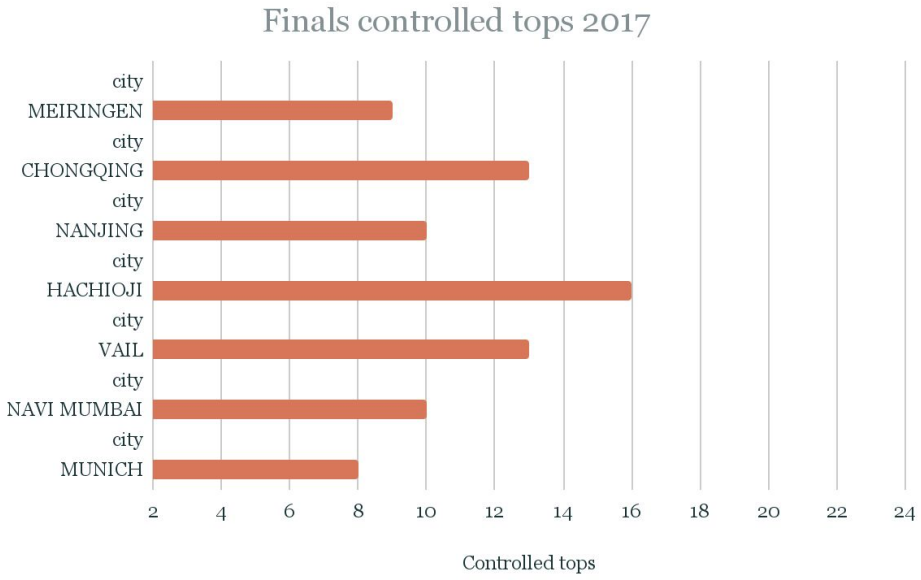
Hardest: Hachioji (9 out of 24)

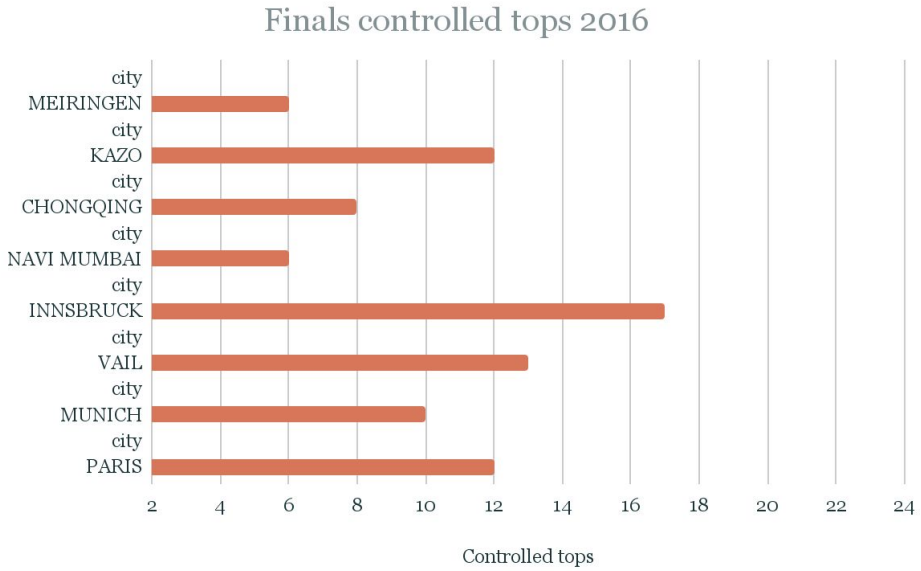
Easiest: Moscow (21 out of 24)

Hardest: Innsbruck (5 out of 24)

Easiest: Meiringen (20 out of 24)

Route Statistics by year





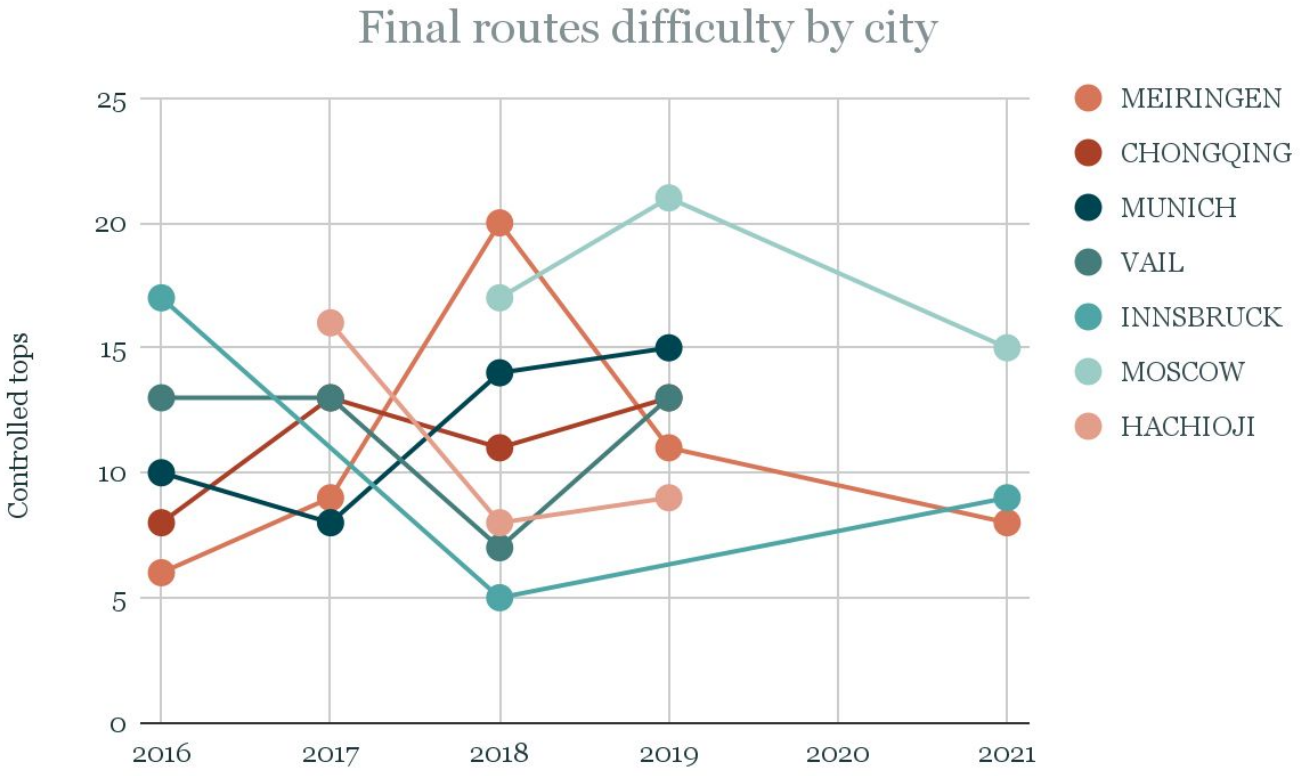
Hardest: Munich (8 out of 24)

Easiest: Hachioji (16 out of 24)

Hardest: Meiringen & Navi Mumbai (8 out of 24)

Easiest: Innsbruck (17 out of 24)

Route Statistics by city



Conclusion

To recapitulate	- this case study objective consisted on exhibiting my analytical skills on gathering, cleaning, manipulating, analysing and visualizing data using spreadsheets and a presentation.
Skills used	- clean, organize, calculate, graph, and analyze data using spreadsheet tools and, mainly, formulas. Besides presentation tools and expertise.
Future (next) steps	- use pivot tables and create an interactive dashboard on excel (I chose to focus on tools and formulas on this project since my portfolio includes a case study executed on SQL and Tableau, therefore using a superior tool for creating a dashboard); - analyse differences on performance from qualification rounds to semi finals to finals; - include and compare data from the Men's Bouldering World Cups;

DISCLAIMER: The slides were made for the purpose of showing a visual representation of the main insights found and presented, the complete analysis can be found in the project spreadsheet.

THANK YOU