For the Love of Chess

By Chris Everts
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DATA BACKGROUND

SOURCE

- Data scraped from chess-ranking.com

DIMENSIONS

- 175,000 Rows + 21 Columns

OVERVIEW

- The data set was scraped from chess ranking.com which included pro players who are above 1000k FIDE score along with specific country statistics

AGENDA

EXECUTIVE SUMMARY

DEEP DIVE

WOMEN STATISTICS BY COUNTRY

WOMEN PRO POPULATION

Executive Summary

Goal
Increase the popularity casual and advanced level of chess around the world
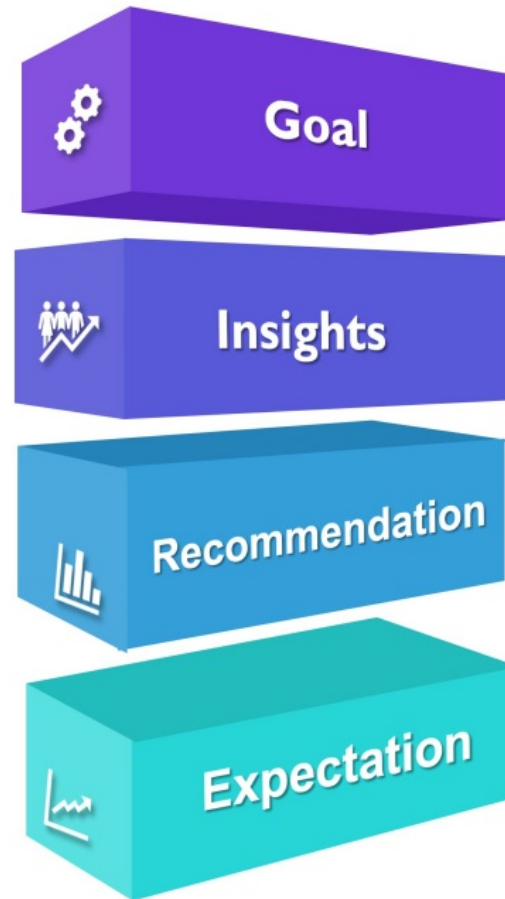
Insights
Most countries have 5k or less chess players
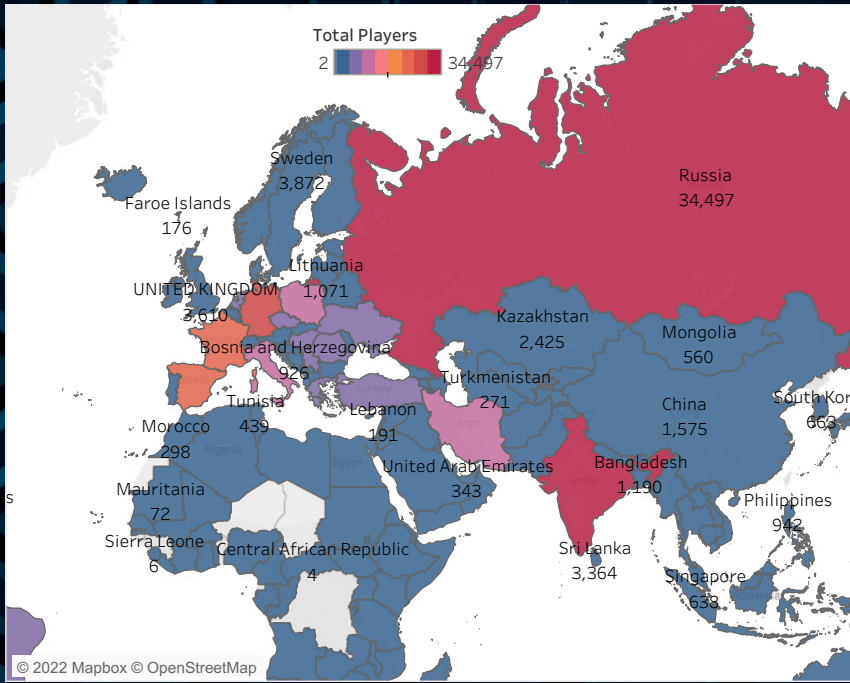A tiny percentage of women make up chess players globally

Recommend
Supply physical chess sets to more countries
Spread awareness among women players
Host more chess tournaments with cash prizes

Expectation
An increase in the percentage of women pro players
Increase in the popularity of chess

Goal

Insights

Recommendation

Expectation

Low Popularity of Chess

Total Players
2 — 34,497

Faroe Islands 176
Sweden 3,872
Lithuania 1,071
UNITED KINGDOM 3,610
Bosnia and Herzegovina 926
Tunisia 439
Morocco 298
Mauritania 72
Sierra Leone 6
Central African Republic 4
Lebanon 191
Turkmenistan 271
United Arab Emirates 343
Russia 34,497
Kazakhstan 2,425
Mongolia 560
China 1,575
South Korea 663
Bangladesh 1,190
Sri Lanka 3,364
Philippines 942
Singapore 638

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High Density in Europe

Faroe Islands
Poland
Russia
Kazakhstan
Mongolia
Malta
Morocco
Egypt
Sudan
Yemen
China
South Korea
India
Thailand
Philippines
Guam
Bermuda
Liberia
Maldives
Indonesia
East Timor
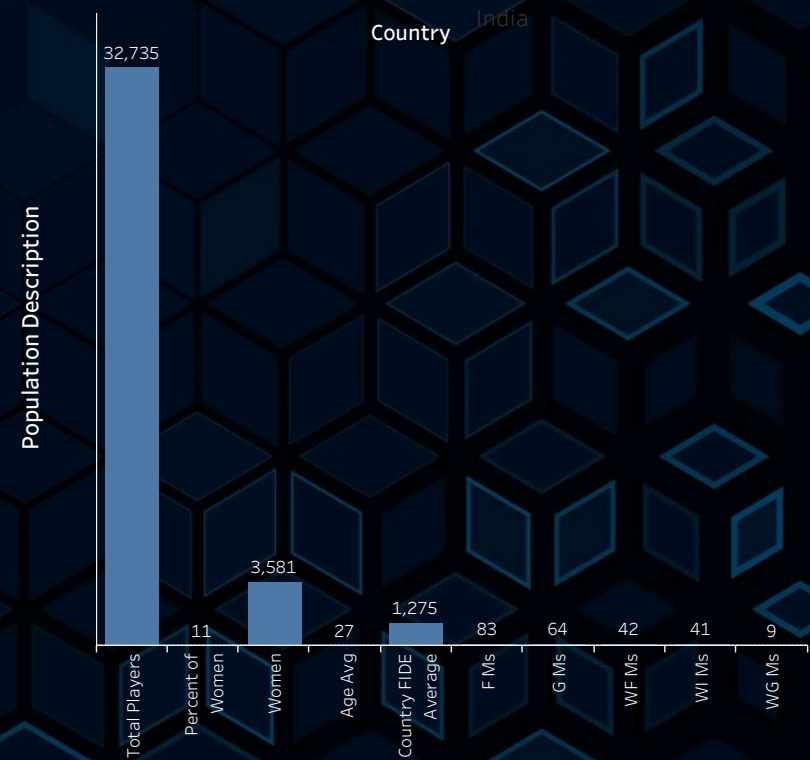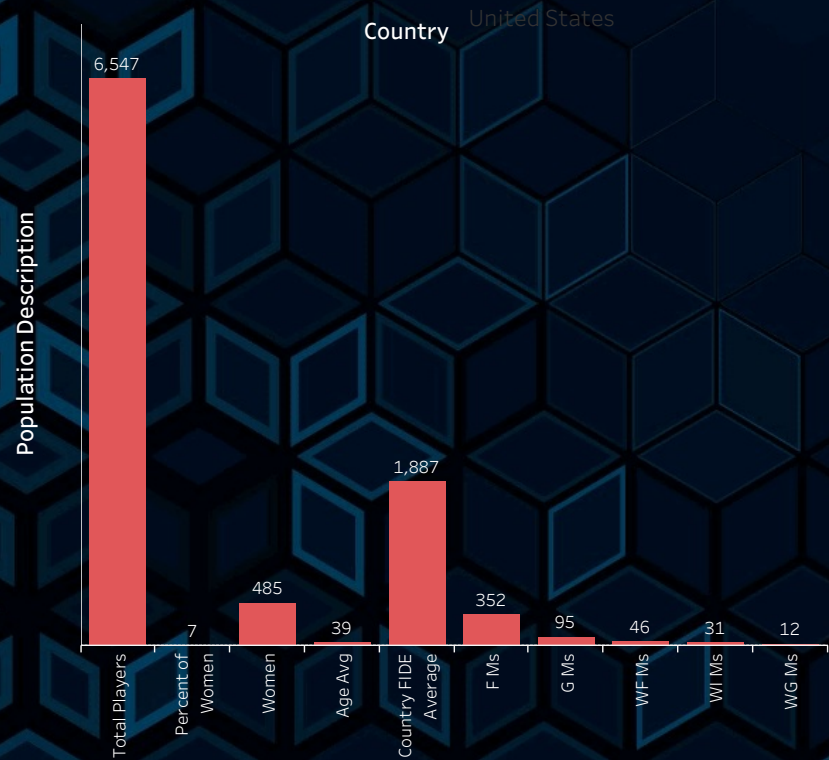Suriname
Seychelles
Mauritius
Australia
Brazil

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By focusing on countries that have low population of chess players we can increase the popularity of the game

A majority of players whose FIDE score is above 1,000 are located in Europe

Women Underrepresented

Country United States

Population Description

Total Players	Percent of Women	Women	Age Avg	Country FIDE Average	F Ms	G Ms	WF Ms	WI Ms	WG Ms
6,547	7	485	39	1,887	352	95	46	31	12

Country India

Population Description

Total Players	Percent of Women	Women	Age Avg	Country FIDE Average	F Ms	G Ms	WF Ms	WI Ms	WG Ms
32,735	11	3,581	27	1,275	83	64	42	41	9

Women in the World

Percent of Women Chess Players

CONCLUSION

- TAKEAWAYS
  - Most countries have a low-density chess population
  - High concentration of players centralized in Europe
  - Women are very underrepresented in the world when it comes to chess players

- RECOMMENDATIONS
  - Increase access to chess sets in low chess player populations
  - Create marketing strategies geared towards women
  - Increase the prize pools of chess tournaments

- PREDICTIONS
  - One can expect a double-digit percentage increase in new overall players as well as an increase in the female base

- WITH MORE TIME
  - I would like to continue to monitor new players for the years to come and adjust strategies accordingly

APPENDIX

FIDE (*FEE-DAY*) SCORE - ONE MUST PLAY AGAINST AT LEAST FIVE FIDE-RATED CHESS PLAYERS AND SCORE AT LEAST HALF POINTS AGAINST THEM OVER A PERIOD OF NOT MORE THAN 26 MONTHS. ALSO, THE INITIAL RATING IS PUBLISHED ONLY IF IT IS 1000 OR MORE.

FM — FIDE MASTER

GM - GRANDMASTER

WFM — WOMEN

WIM — WOMEN INTERNATIONAL MASTER

WGM — WOMEN GRANDMASTER

K FACTOR- DEVELOPMENT COEFFICIENT