CSC343 Presentation

Domain: Factors affecting medal winning in the Paralympic Games

Investigation Questions

1. Research on the effect of numbers of coaches and athletes on the medal winning of a National Paralympic Committee's (NPCs). More specific, is one country more likely to win more medal if there are more people they send to the Paralympic?

2. Research on the effect of gender in medal winning, not just research on individual, but also on the total medal of a country. More specific, how the gender distribution of a National Paralympic Committee's (NPCs) involves their medal winning.

3. Research on the effect of age in medal winning, not just research on individual, but also on the total medal of a country. More specific, how the age distribution of a National Paralympic Committee's (NPCs) involves their medal winning.

Discussion1

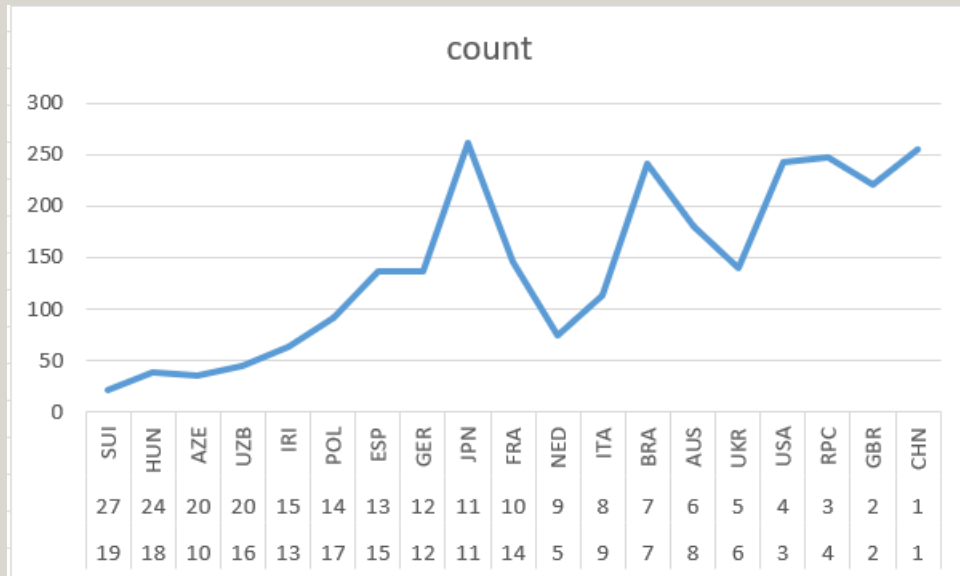Positive relationship with number of athletes, no obvious pattern for number of coaches

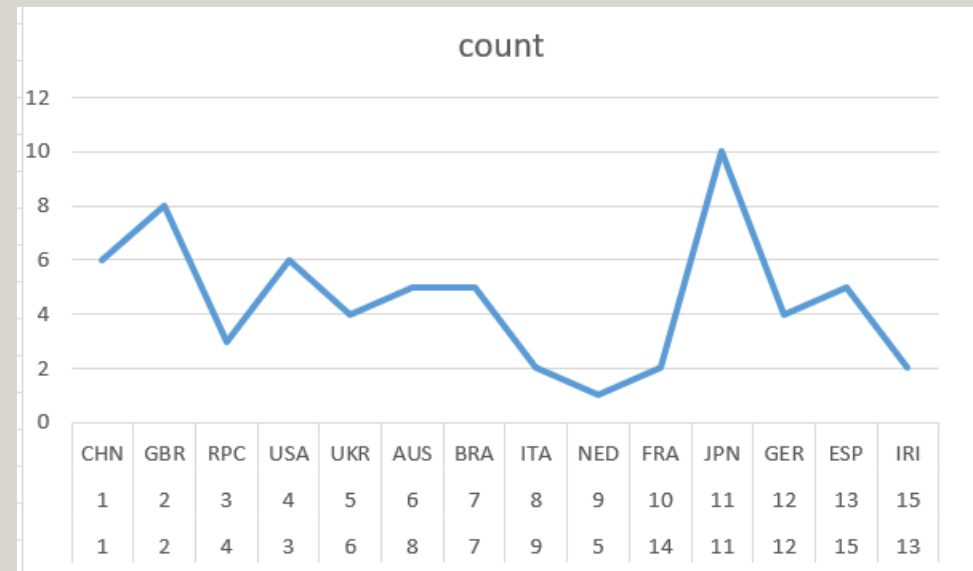Figure 1.1: Number of Athletes to Ranking of Medals

Figure 1.2: Number of Coaches to Ranking of Medals

Discussion2

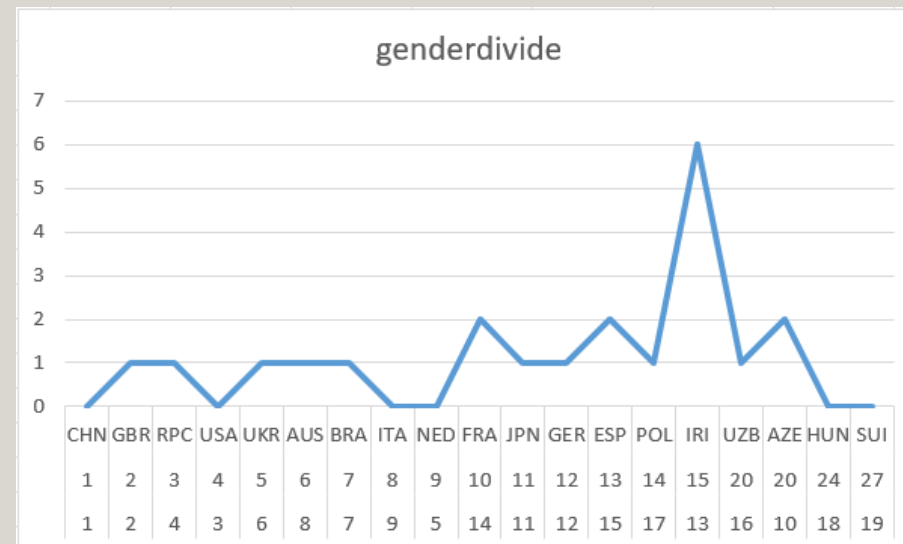Balancing female and male participants gives a country better chance of more medal winning

Figure 2.1 Gender ratio to medal winning performance (x-axis is ranking)

Discussion3

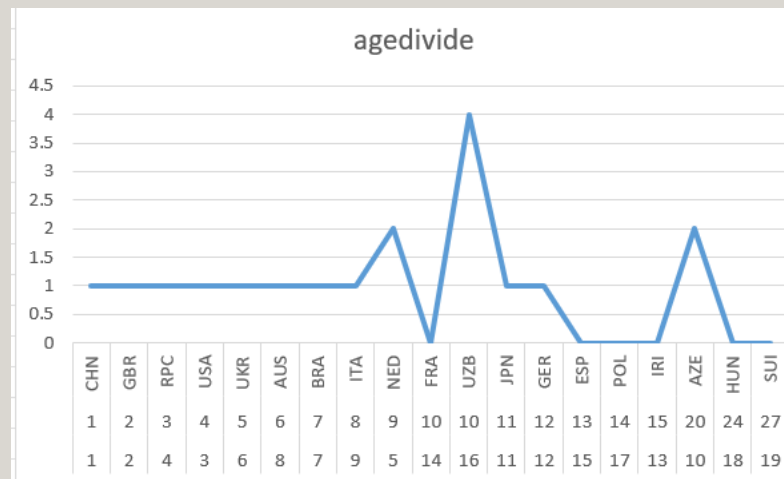Combination of experience and peak body condition

Figure 3.1 Age Divide to Rankings of Total Medal

Challenges

Problems we faces and how we managed to overcome them

Large database ---- classify the data and divide them into parts

Need learning about domain

Lessons

Technical Issues and how we could improve our coding in the future

Divide-and-Conquer

Using Sample

Importance of Cleaning Data

Classify the elements and using rate as a factor

Questions

THANK YOU FOR LISTENING