Exploring Tennis Players' Earnings in SAS Visual Analytics-ManpreetKaur
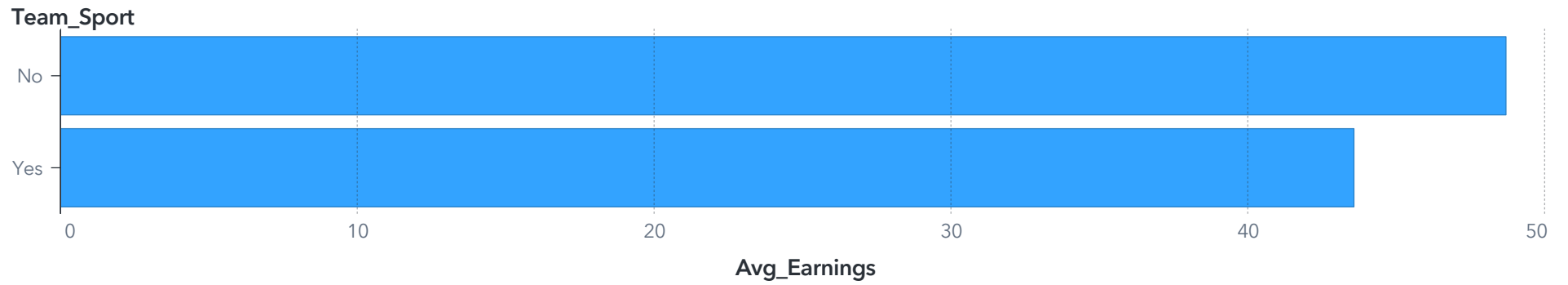
Author: mfnu2@hawk.iit.edu

Avg_Earnings by Sport
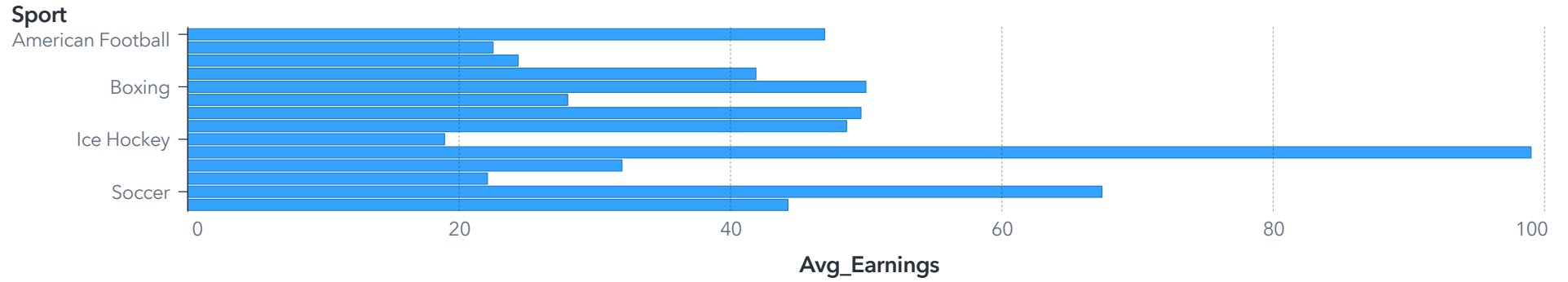
Sport

Avg_Earnings

Avg_Earnings by Team_Sport

Team_Sport

Avg_Earnings

Avg_Earnings by YEAR

Avg_Earnings

YEAR

Avg_Earnings by Sport

Avg_Earnings

Avg_Earnings ■ Avg_Earnings

Sport

Avg_Earnings by Sport
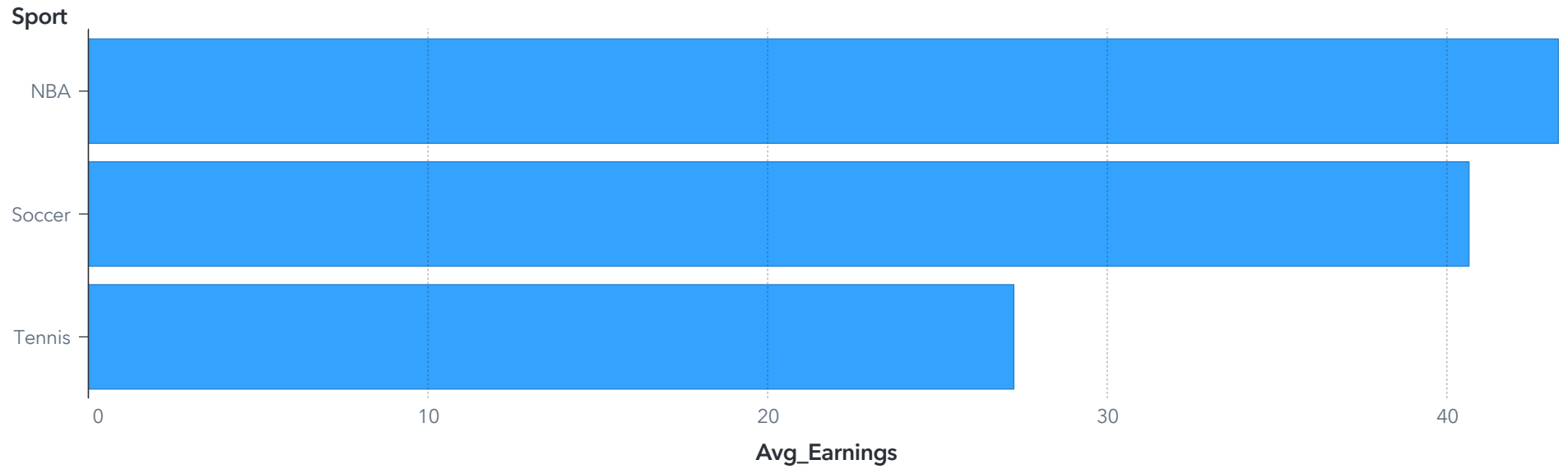
Sport

Avg_Earnings

Endorsements, Prize_Money by Sport

Sport

Endorsements / Prize_Money

■ Endorsements ■ Prize_Money
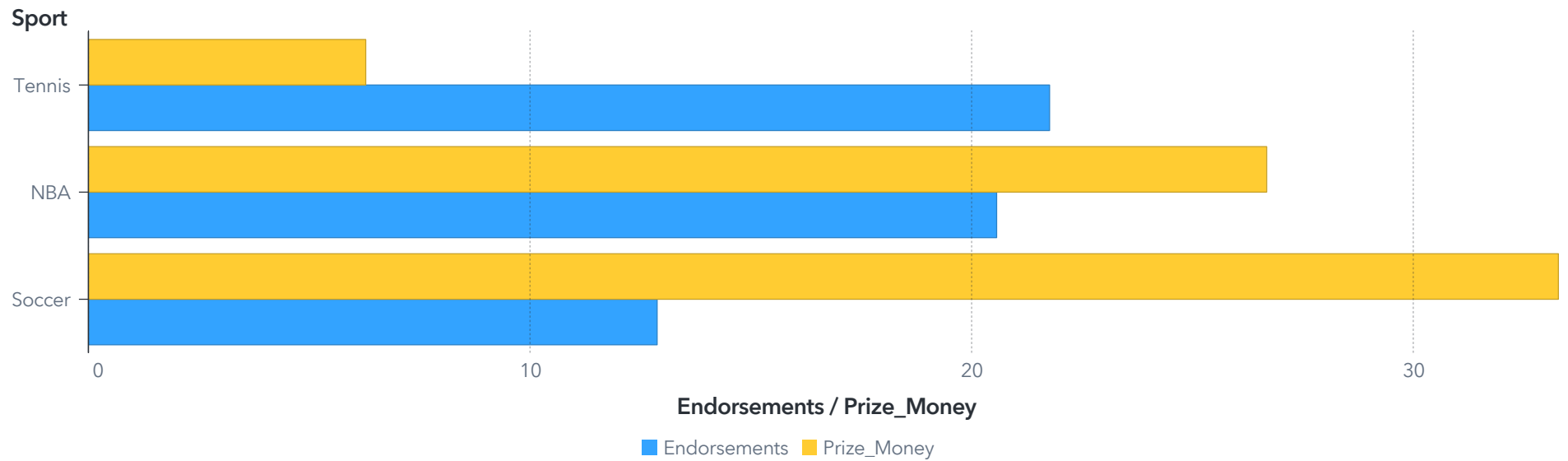
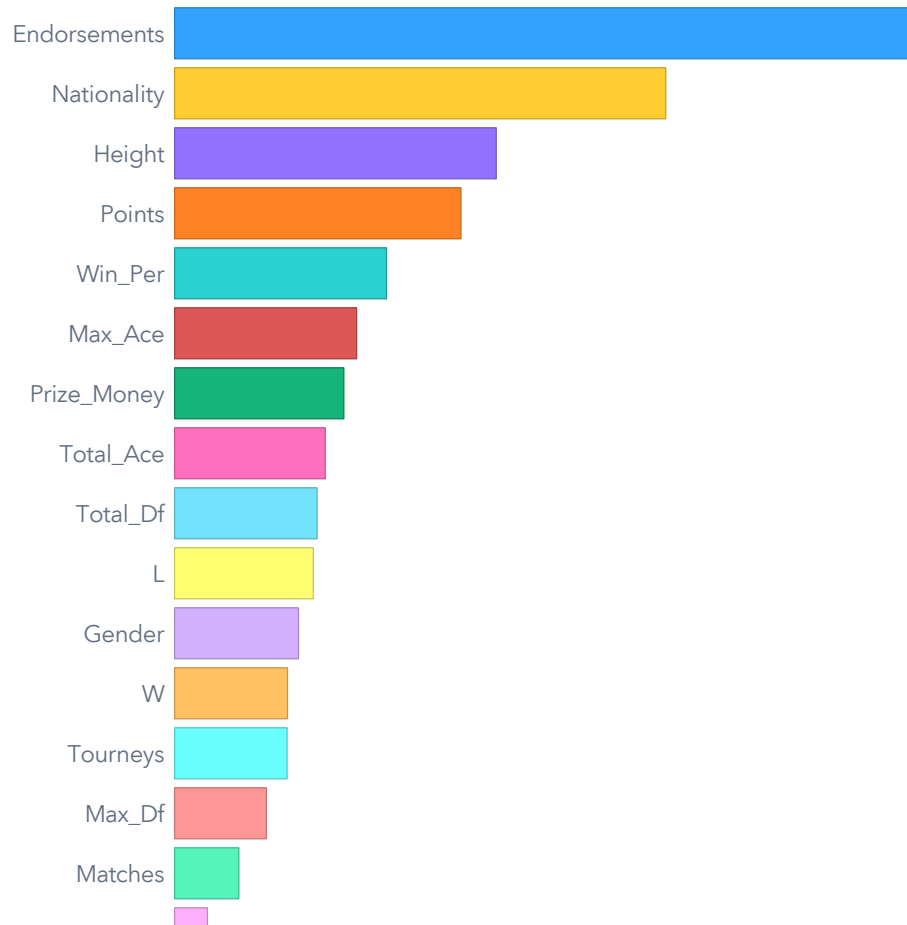## What are the characteristics of Avg_Earnings?

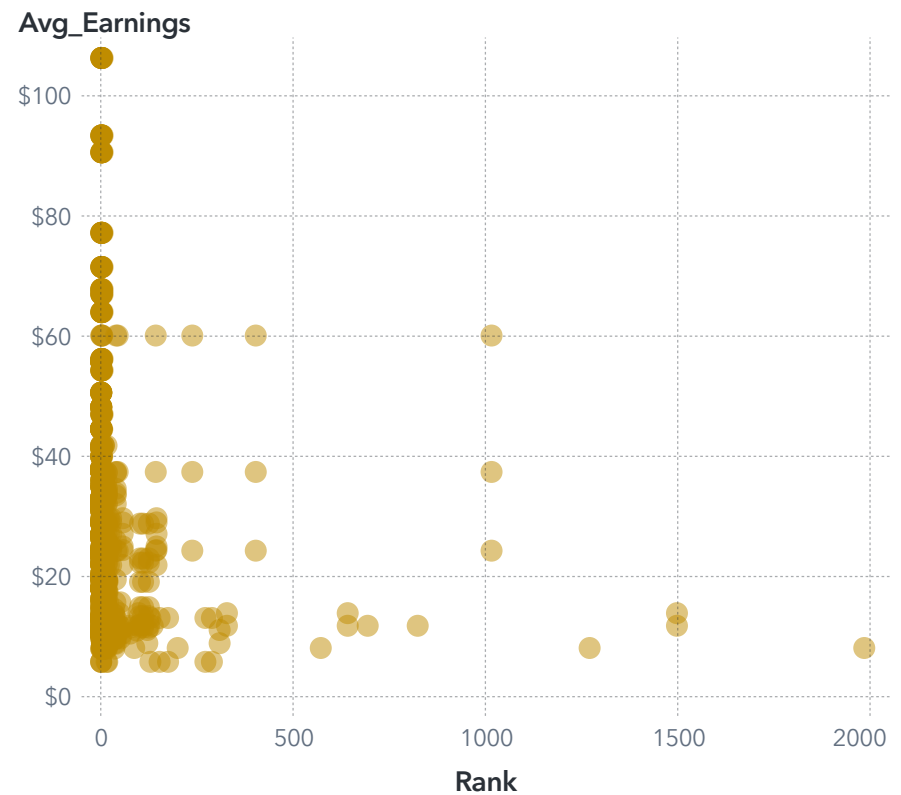Avg_Earnings ranges from $5.8 to $106. Average Avg_Earnings is $28. Most cases (the middle 80%) have Avg_Earnings between $11 and $56. Endorsements best differentiates the highest (top 10%) and the lowest (bottom 10%) Avg_Earnings cases. The three most related factors are Endorsements, Nationality, and Height.

There are 40 cases that might be outliers, with Avg_Earnings greater than or equal to $77.

What factors are most related to Avg_Earnings?

Endorsements
Nationality
Height
Points
Win_Per
Max_Ace
Prize_Money
Total_Ace
Total_Df
L
Gender
W
Tourneys
Max_Df
Matches

A1.1

What is the relationship between Avg_Earnings and Rank?

Avg_Earnings

$100

$80

$60

$40

$20

$0

0   500   1000   1500   2000

Rank

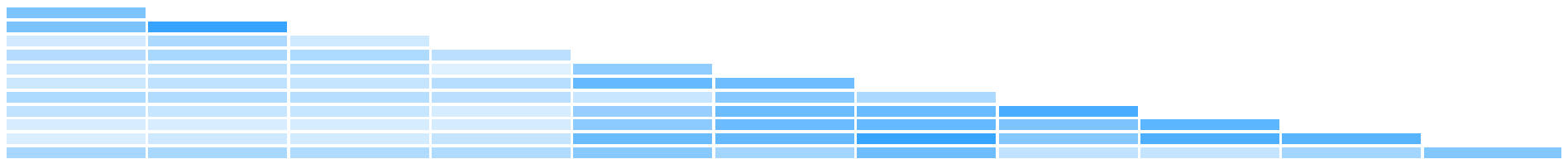Avg_Earnings may have a weak relationship with Rank. Average Rank is 29, and it ranges from 1 to 2K.

Avg_Earnings by Gender
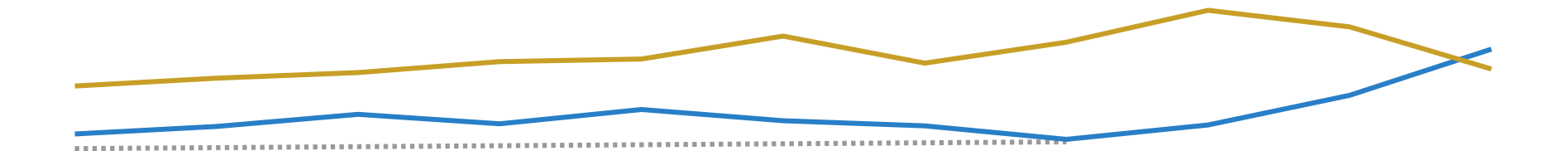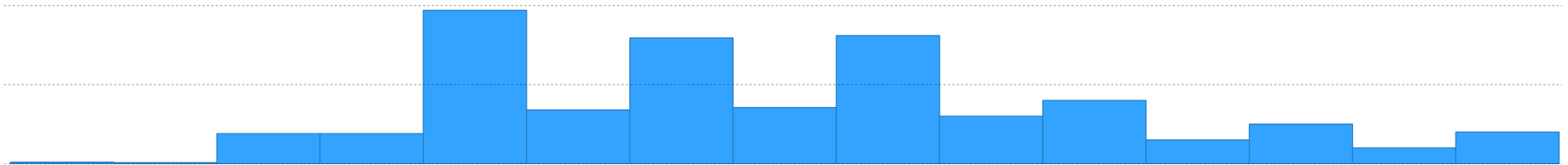

A2.1

Correlation of Selected Measures

A2.2

Avg_Earnings by YEAR grouped by Gender

A2.3

Frequency of Age

A2.4

Frequency of Player

Simona Halep

Victoria Azarenka

Garbine Muguruza

Serena Williams

Alexander Zverev   Venus Williams   Andy Roddick

Novak Djokovic

Rafael Nadal

Kim Clijsters   Ashleigh Barty

Stan Wawrinka

Kei Nishikori

Andy Murray

Milos Raonic

Li Na

Sloane Stephens

Ana Ivanovic

Naomi Osaka

Angelique Kerber

Grigor Dmitrov

Roger Federer

Stefanos Tsitsipas

Agnieszka Radwanska

Caroline Wozniacki

Maria Sharapova

Dominic Thiem   Daniil Medvedev

110
1

Frequency

A3.1

Appendix