



The Report of adult census income "Final Project" Data Analysis with R Training 2021 at (Children's Cancer Hospital Egypt 57357)

The project link in GitHub: (<https://github.com/MahmoudAlyosify/Final-Project-57357-Data-Analysis-Training>) or [HERE](#)

By/ Mahmoud Sayed Youssef

1. Is there a relationship between age and income?

There is no relationship between the age and the income of the individual, as the average age of the top fifty individuals is 39 years and the average income is 9244.7 per year

2. Can we say that we have achieved gender equality?

The Number of Male is 22425 The Number of Female is 10908 Male to female ratio is 67.28 % for Male and 32.72 % for Female and I'm find that The average income of a male is 3767.108 \$ and The average income of a Female is 4546.484 \$ I analyzed the data of males and females in terms of education and found that the numbers are close, but we need to increase the effort in educating more women, as, for example, but not limited to. The percentage of males in secondary schools is 32.34 and the percentage of women in secondary schools is 31.36 Also, the percentage of males with a bachelor's degree is 17.39 But the percentage of women with a bachelor's degree is 15.09.

3. What other attributes would be an income predictor/s?

Yes, there are some other characteristics that may affect the income, such as the degree of education(Education NUM), and the number of hours worked for each week The average working hours for the first 50 people are: 99 hours And the average income according to the working hours for the First 50 people is 5473.68 \$ Whereas, the average education level or education level for the First 50 people is 16 The average income according to the degree or level of education for the First 50 people 9015.76 \$.