MEDICAL CARE STORY (SLIDESHOW) :-

Medical Care Costs Story

Medical Care (Average Ages of both Genders)

- This Is a bar graph mainly represents the average age of people by their genders.
-
- sex male has the highest Total charges but is ranked #2 in Average age.
-
- sex female has the highest Average age but is ranked #2 in Total charges.

Average Age of Male and Female

39.5 (50.4%) 38.92 (49.6%)
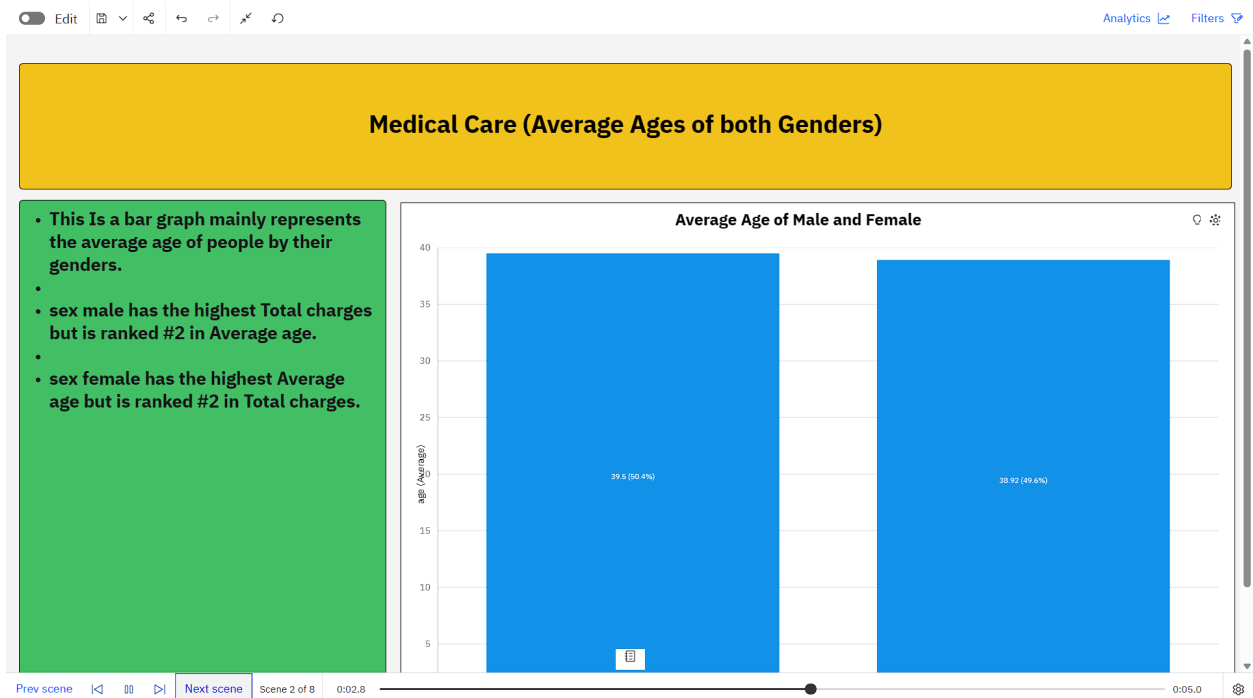
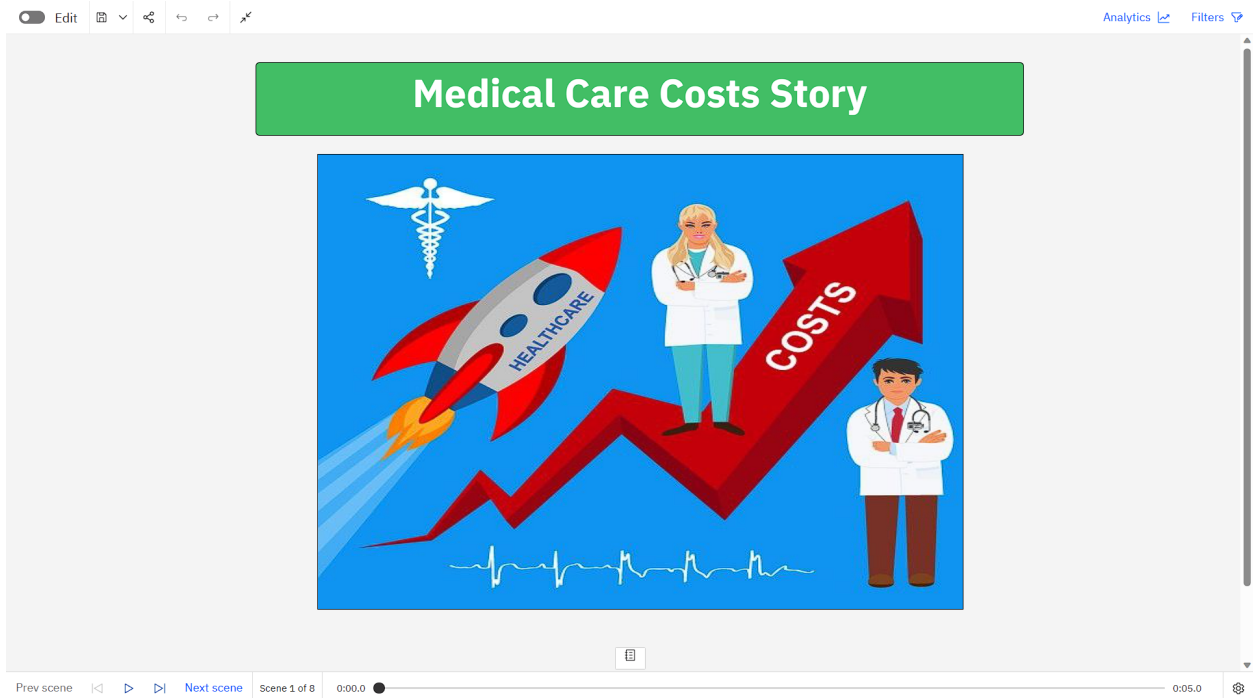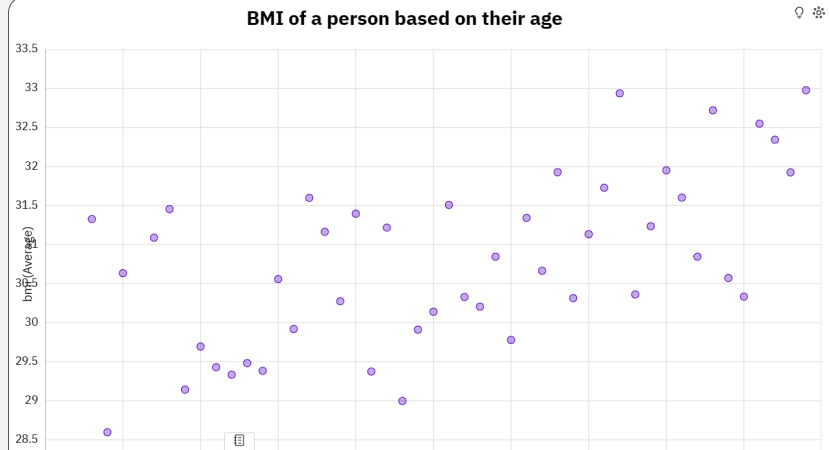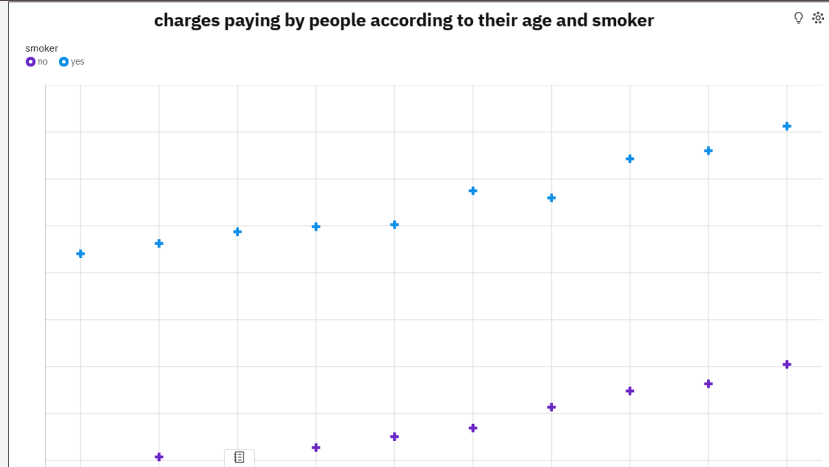age (Average)

Medical Care (BMI)

- **bmi and age have a weak positive linear association, being bmi = 28.8 + 0.04743 * age**
- **The average of bmi is 30.66.**
- **The total number of results for age, across all ages, is almost 1500.**

BMI of a person based on their age

Medical Charges Paid by People

- **charges is unusually high when the combination of age (Group) and smoker is 60 and above and yes.**
- **smoker moderately affects charges (62%).**
- **Across all values of age (Group) and smoker, the average of charges is over thirteen thousand.**

charges paying by people according to their age and smoker

smoker ○ no ● yes

Person difference by gender and smoker

- **Males and smokers have the highest average BMI value compared to all.**

- **The total number of results for bmi, across all sexes, is almost 1500.**

- **The total number of results for smoker, across all sexes, is almost 1500.**

BMI of a person by their gender and smoker

bmi (Average)
29.61   31.5

Medical Charges paid by People

- **male is the most frequently occurring category of sex with a count of 676 items with charges values (50.5 % of the total).**
- **The average values of charges range from over 7500 to over 36 thousand.**
- **region - smoker moderately affects charges (63%).**

Charges paid by people according to their gender, region and smoker

charges (Average)
36,029.84

7,609

region - smoker
⬤ northeast | no
⬤ northeast | yes
⬤ northwest | no
⬤ northwest | yes
⬤ southeast | no
⬤ southeast | yes
⬤ southwest | no
⬤ southwest | yes

Smoker by age of children

- 18 (5.2 %) and 19 (5.1 %) are the most frequently occurring categories of age with a combined count of 137 items with children values (10.2 % of the total).
- children is most unusual when age is 39, 19, 18 and 58.
- The average values of children range from 0 to 2.5.
- Over all ages and smokers, the average of children is 1.095.

Average number of children by age and smoker or not

smoker
● no ● yes
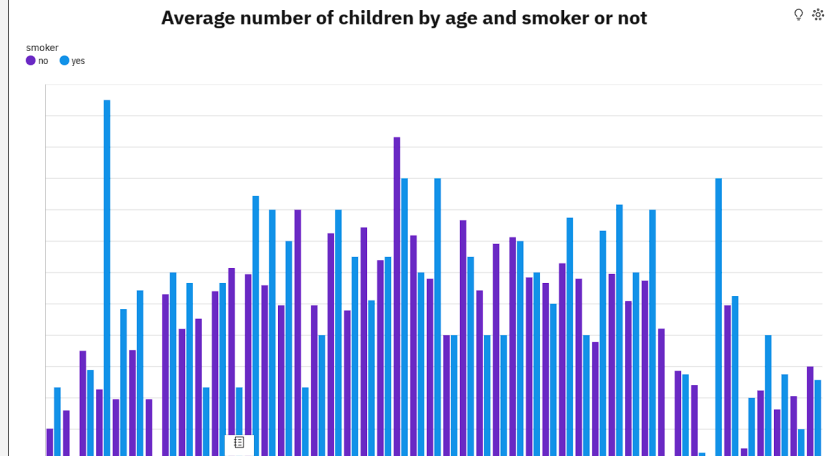
Smoking is not only injurious to health but also for wealth "A cigarette says: Today you turn me into ashes, but tomorrow is my turn." – Karthikeyan