

Smokers

Non-smokers

Smokers

Sex

Female

Male

Age Bracket

Select all

18-25

26-35

36-45

46-55

56-65

Region

Select all

northeast

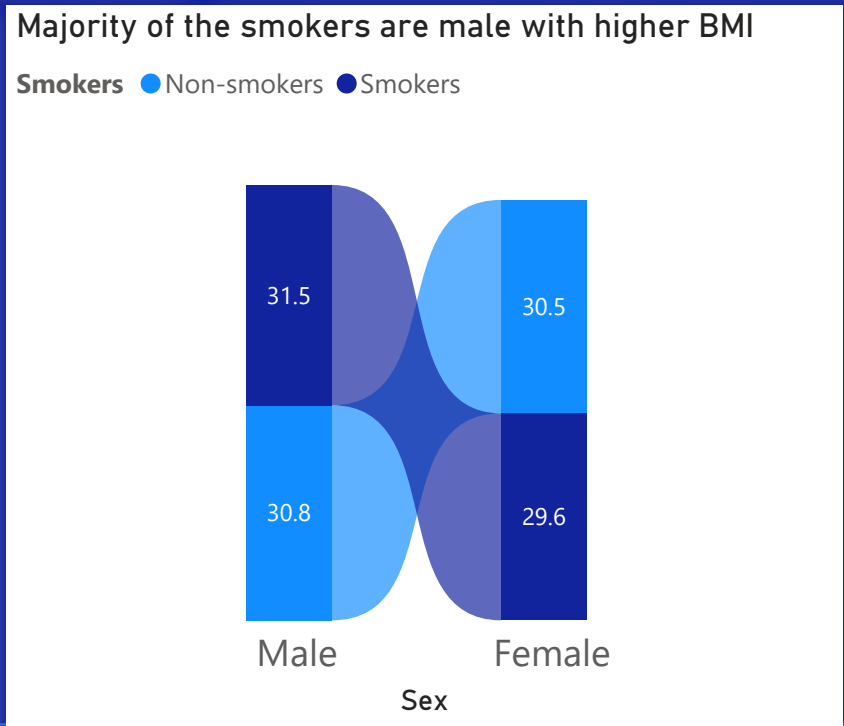
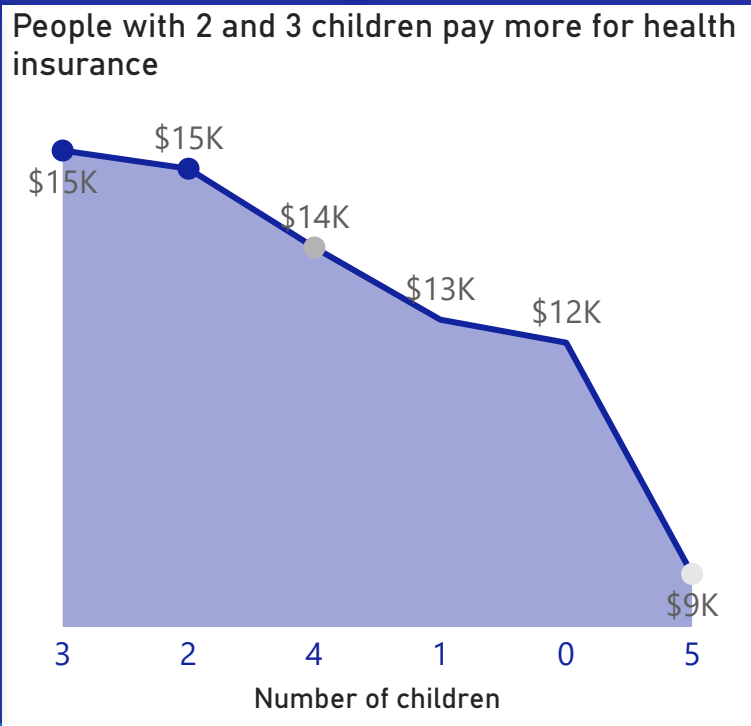
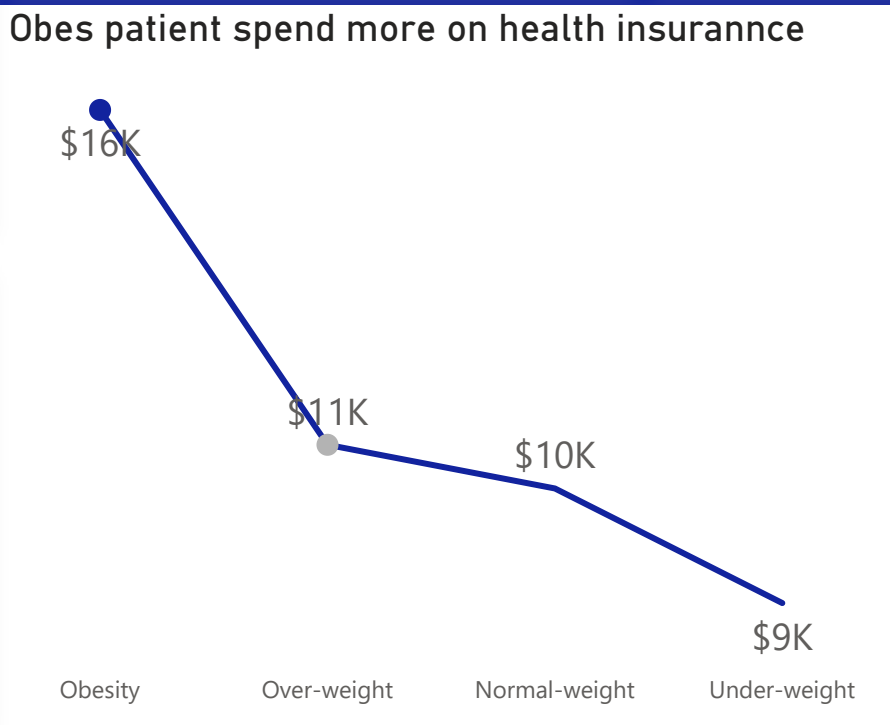
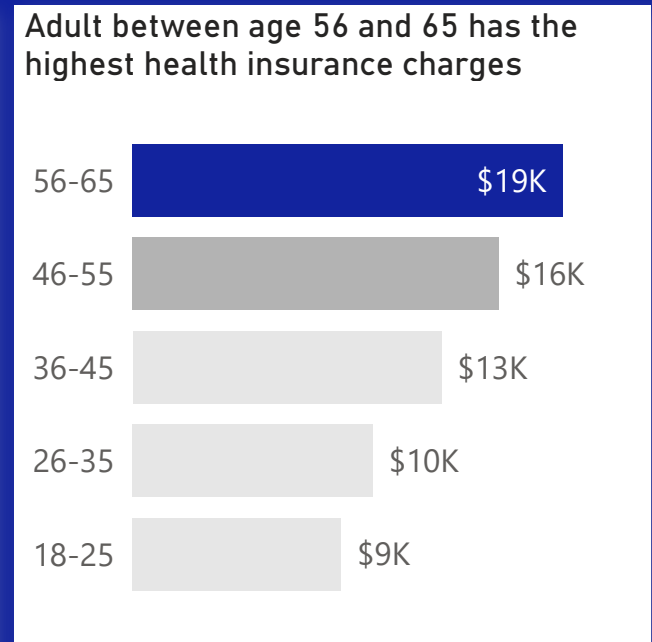
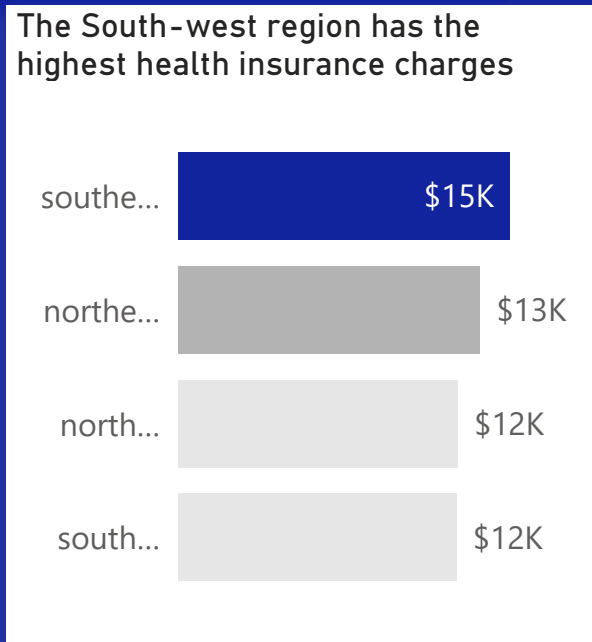
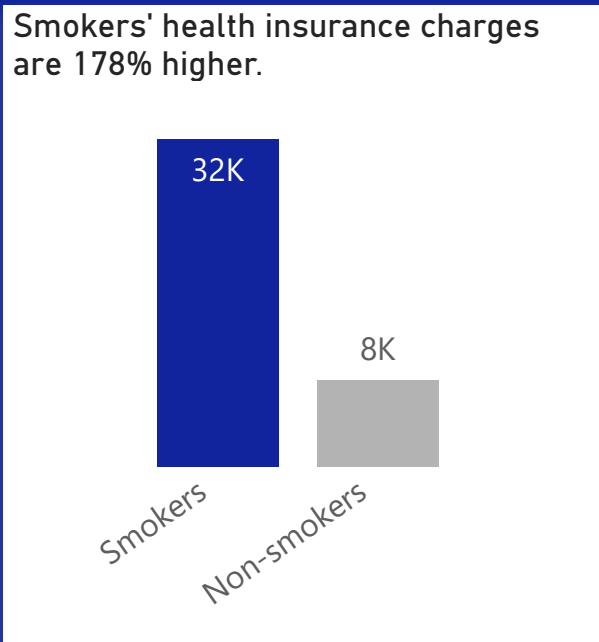
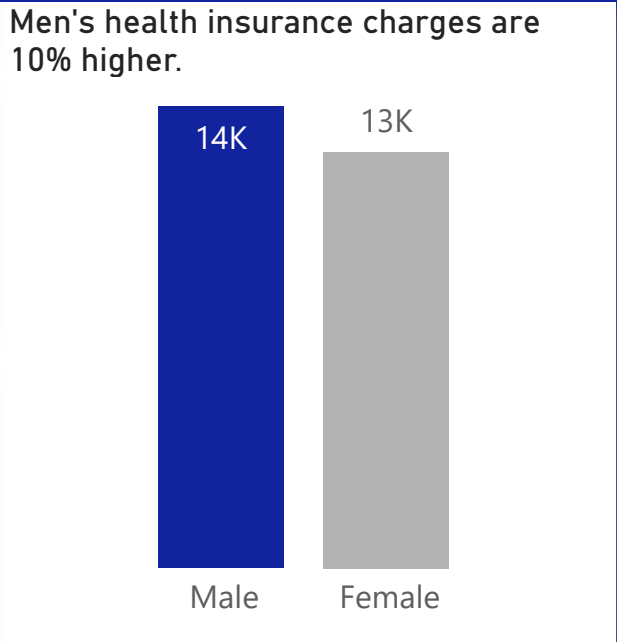
northwest

southeast

southwest

HEALTH INSURANCE ANALYSIS

TEAM



39.19

Mean(age)

39.00

Q2(AGE)

197.41

VARIANCE(AGE)

39.00

Median(age)

51.00

Q3(AGE)

18

Mode(Age)

46

RANGE(AGE)

26.00

Q1(AGE)

14.05

STANDARD DEVIATION(AGE)

30.66

Mean(BMI)

26.29

Q1(BMI)

37.17

RANGE(BMI)

30.40

Median(BMI)

30.40

Q2(BMI)

6.09

STANDARD DEVIATION(BMI)

32.30

Mode(BMI)

34.70

Q3(BMI)

37.14

VARIANCE(BMI)

13.27K

MEAN(CHARGES)

4.74K

Q1(CHARGES)

62.65K

RANGE(CHARGES)

9.39K

MEDIAN(CHARGES)

9.39K

Q2(CHARGES)

12.10K

STANDARD
DEVIATION(CHARGES)

1.64K

Mode(CHARGES)

16.78K

Q3(CHARGES)

146.44M

VARIANCE(CHARGES)

1.09

Mean(CHILDREN)

0.00

Q1(CHILDREN)

5

RANGE(CHILDREN)

9.39K

MEDIAN(CHARGES)

1.00

Q2(CHILDREN)

1.20

STANDARD DEVIATION(CHILDREN)

0

Mode(children)

2.00

Q3(CHILDREN)

1.45

VARIANCE(CHILDREN)

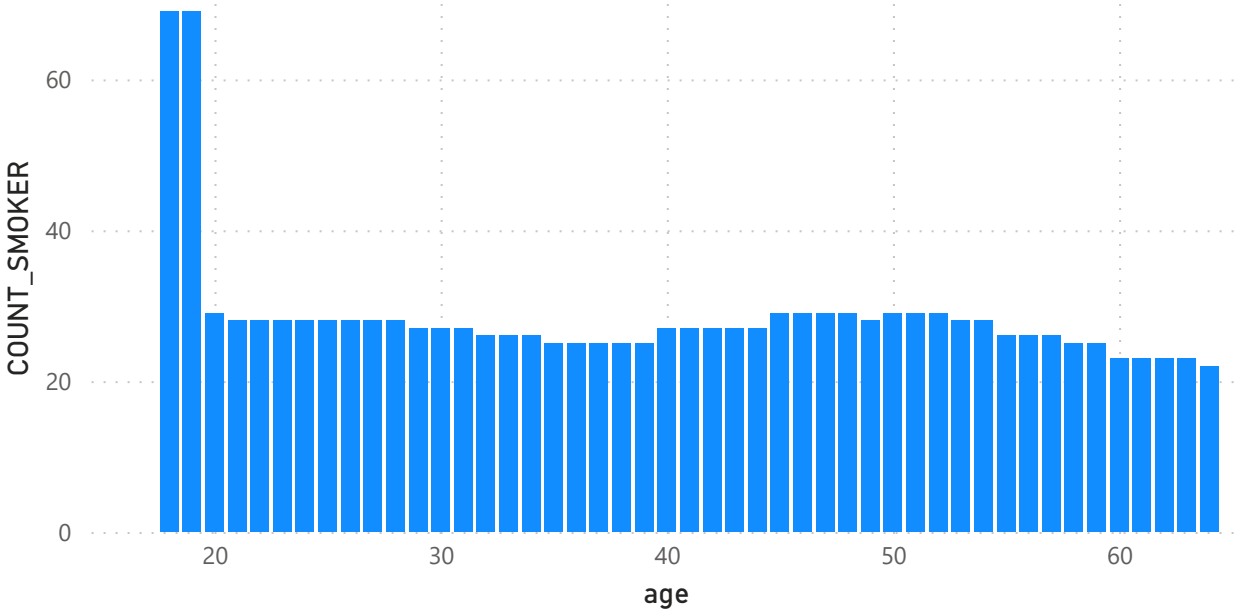
Sexs	COUNT(SEX)
female	663
male	676
Total	1339

smoker	COUNT_SMOKER
no	1065
yes	274
Total	1339

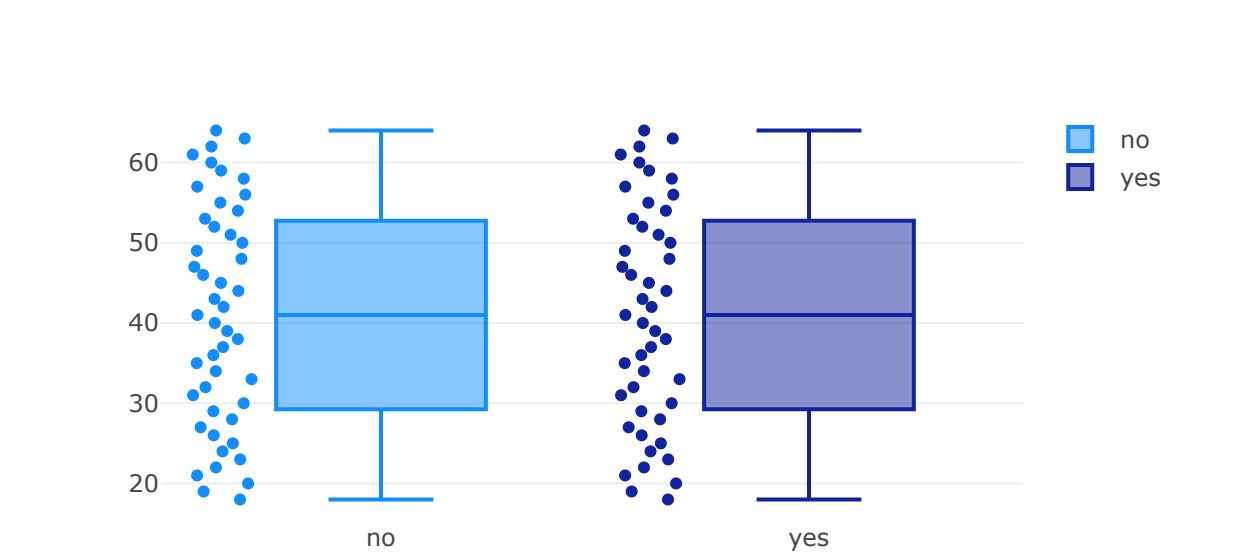
Region	Region_Count
northeast	324
northwest	325
southeast	364
southwest	326
Total	1339

age, Sexs and age

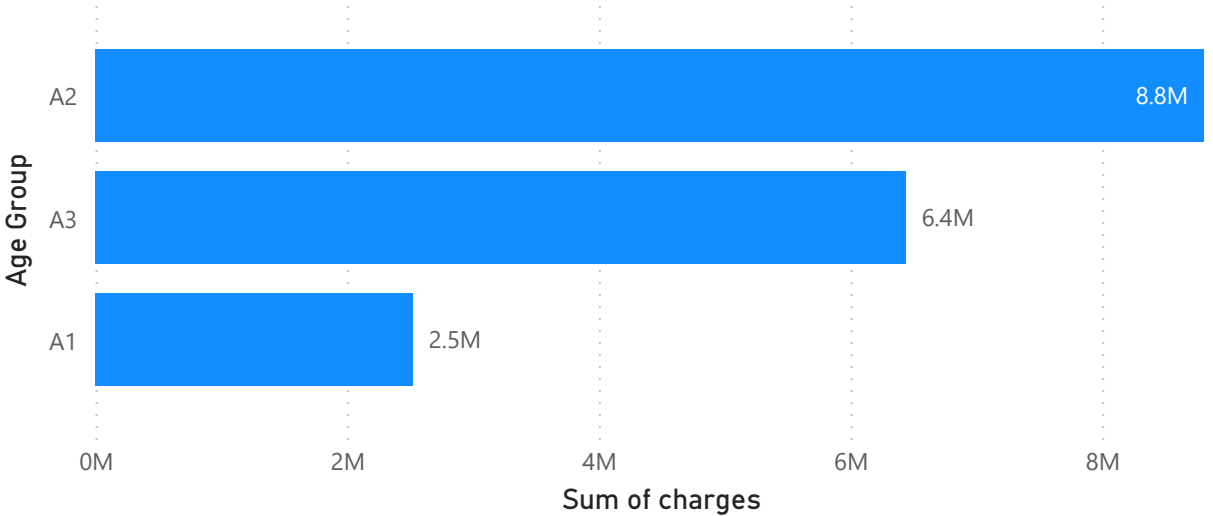
COUNT_SMOKER by age



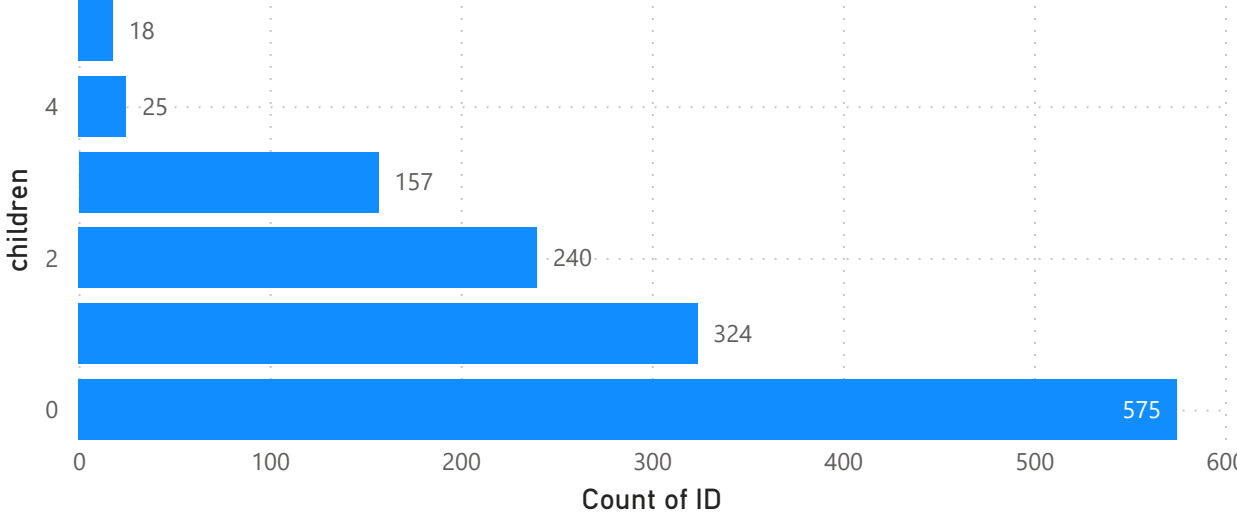
smoker and age



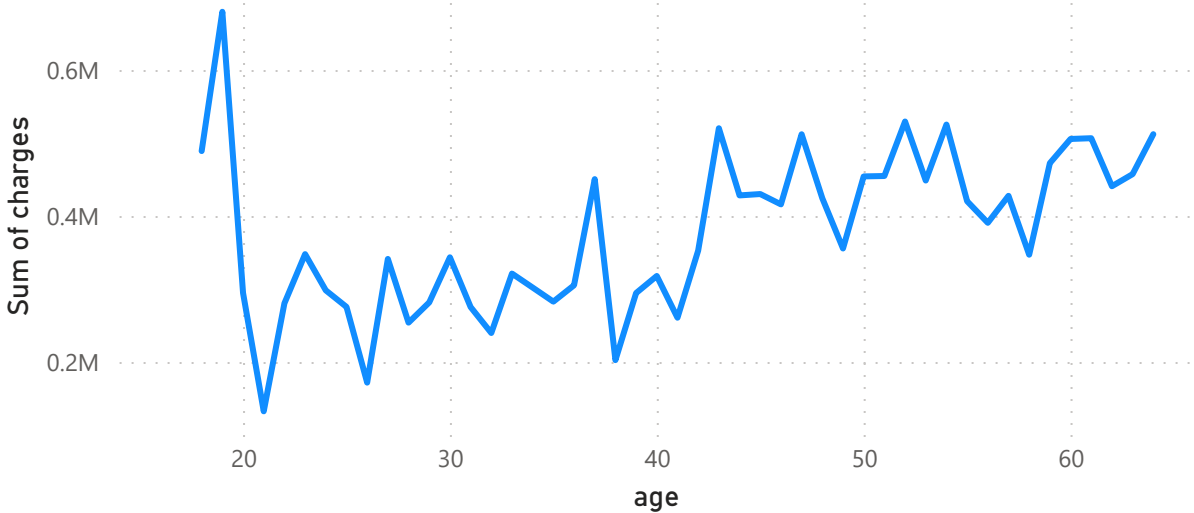
Sum of charges by Age Group



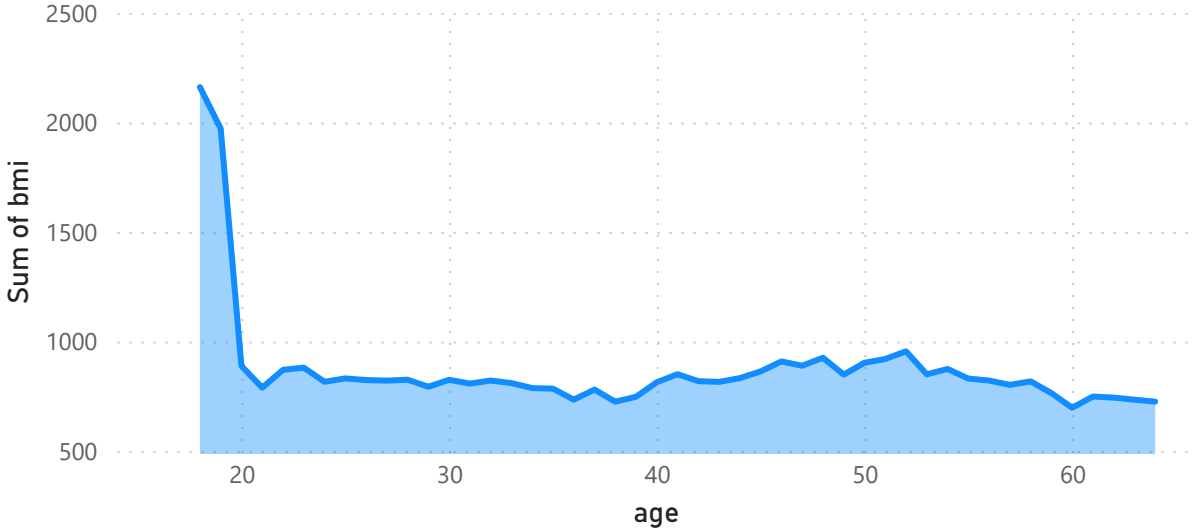
Count of ID by children



Age and Charges



Age & BMI



Key influencers Top segments



What influences children to

Increase

 ?

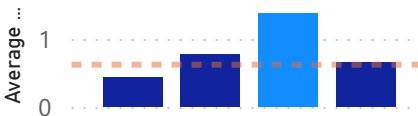
When...

....the average of children increases by

Sum of age is 24 - 55

0.75

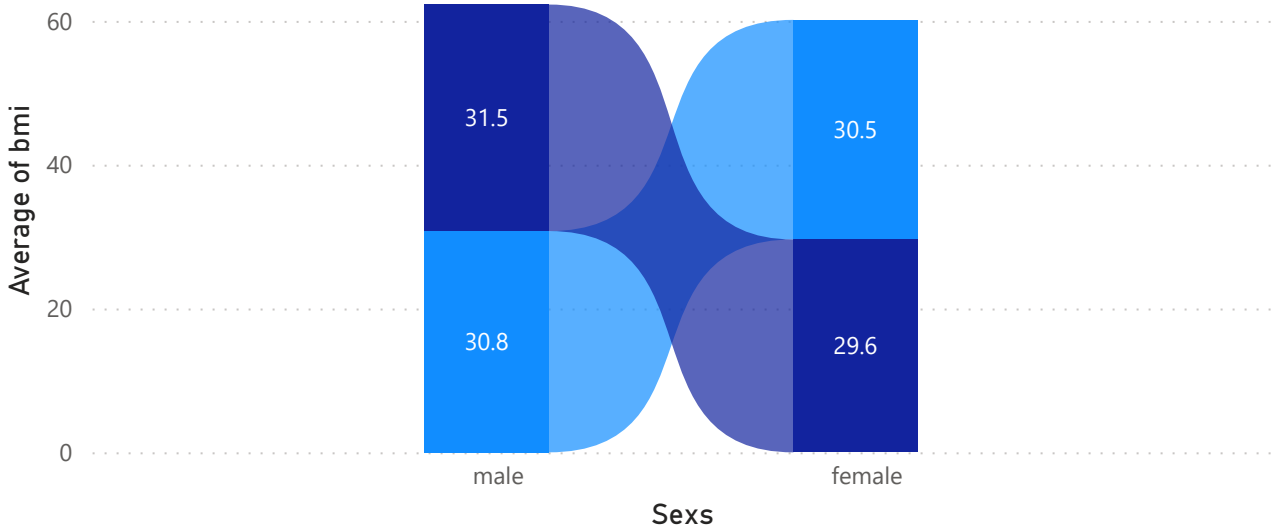
← children is more likely to increase when Sum of age is 24 - 55 than otherwise (on average).



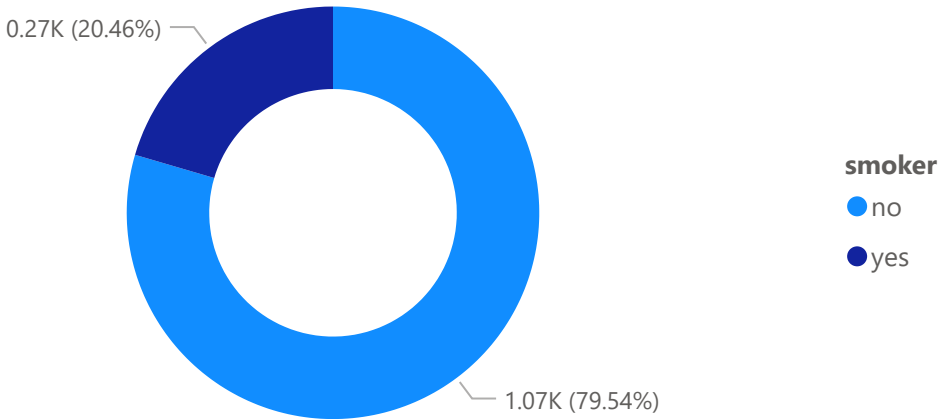
☐ Only show values that are influencers

Average of bmi by Sexs and smoker

smoker ●no ●yes

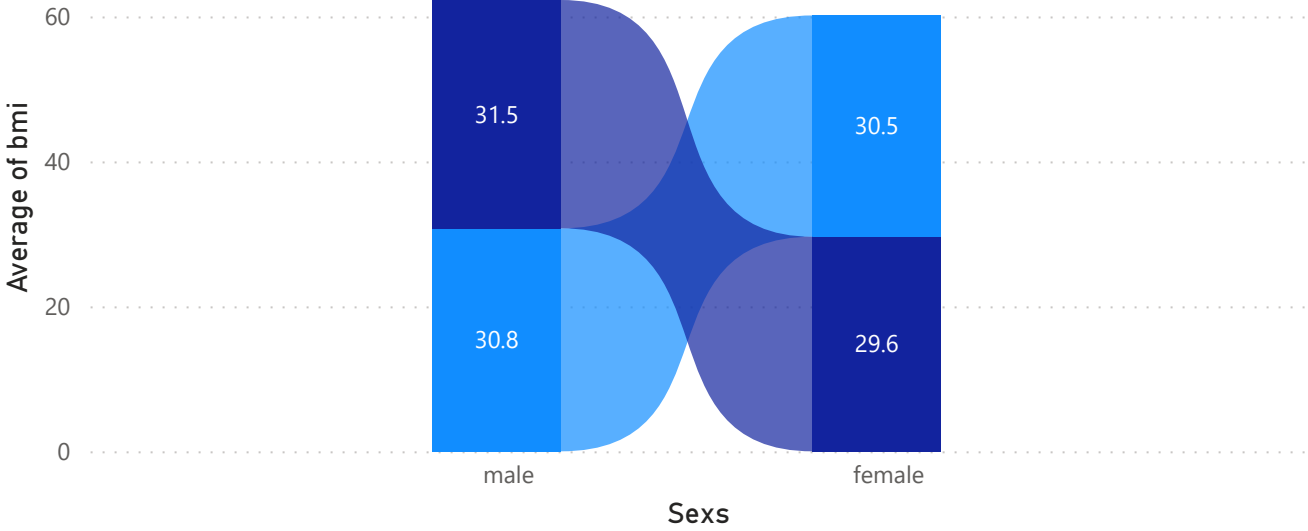


Count of smoker by smoker

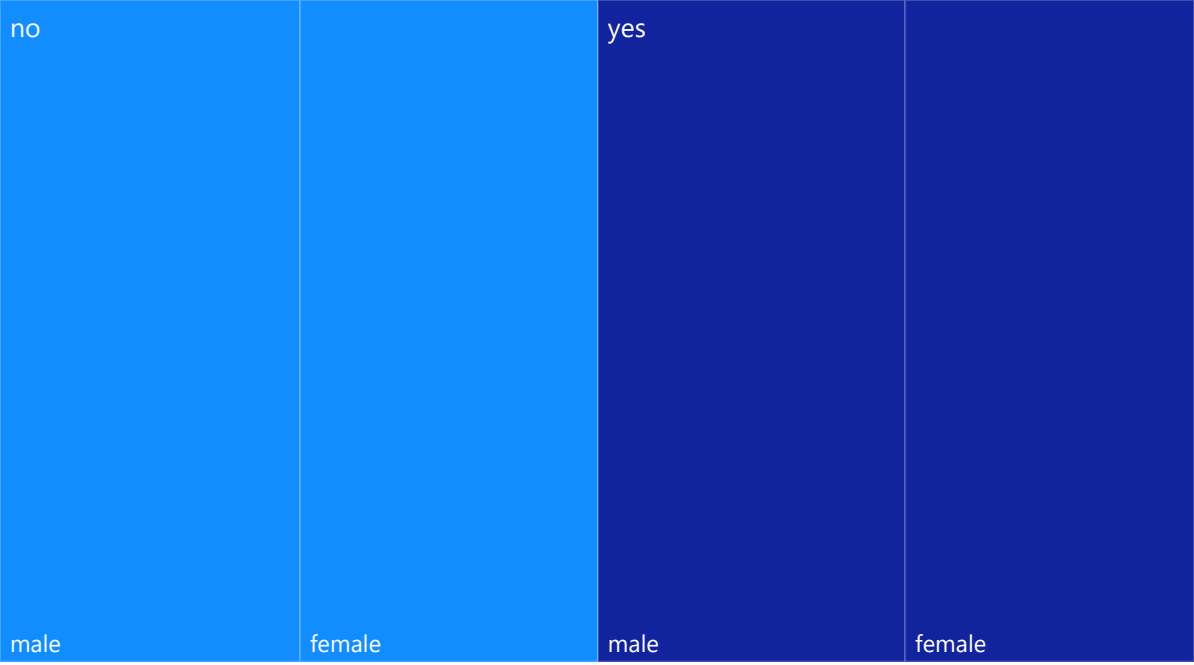


Average of bmi by Sexs and smoker

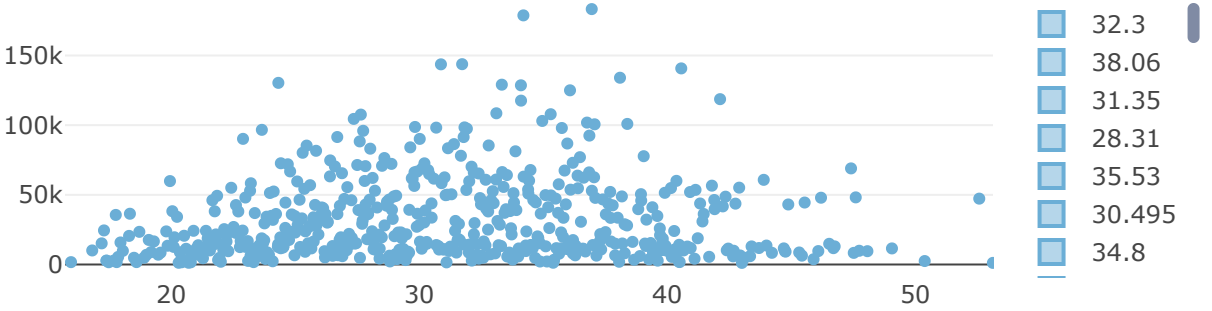
smoker ●no ●yes



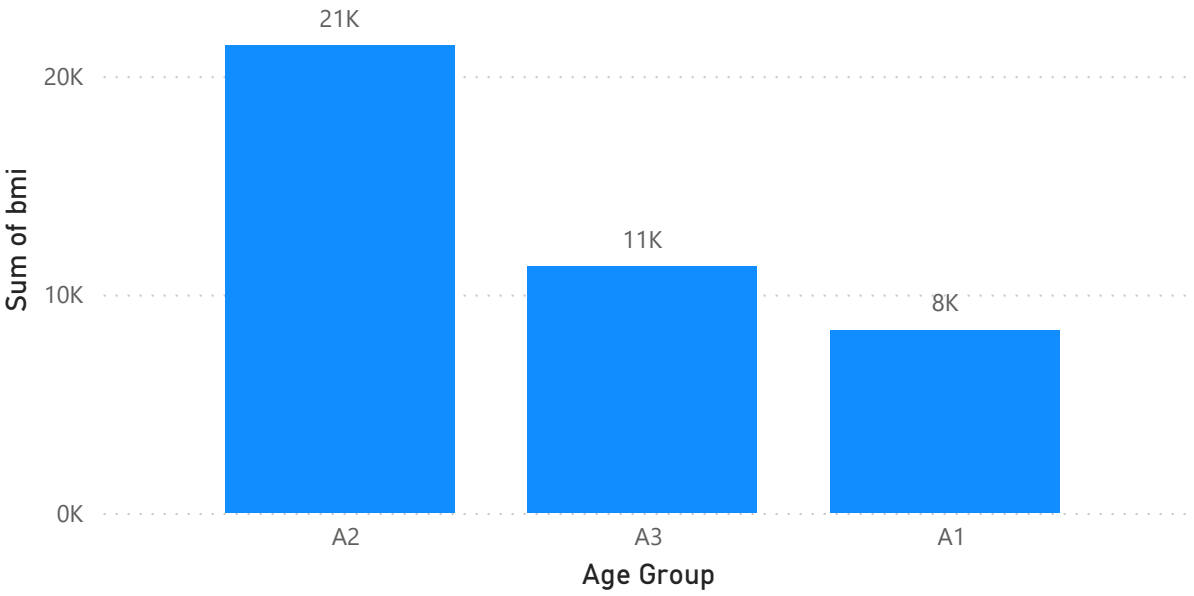
Mean(BMI) by smoker and Sexs



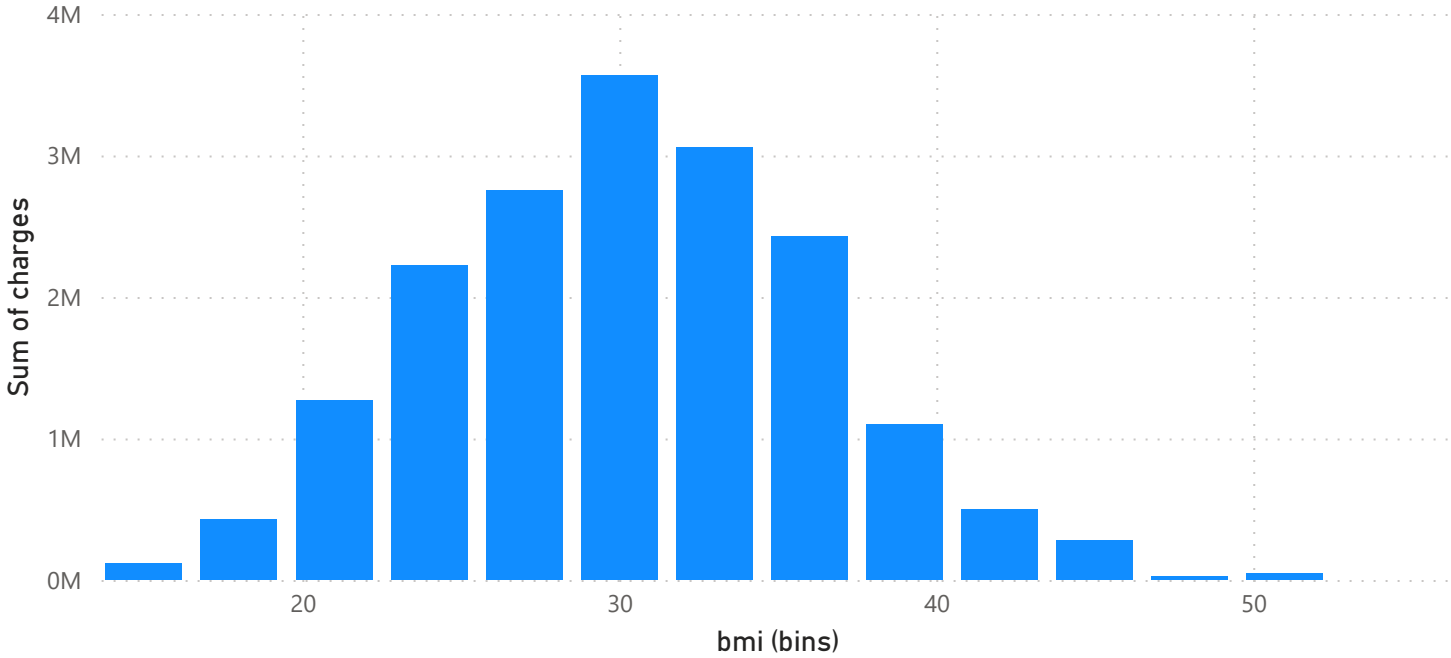
BMI & Charges



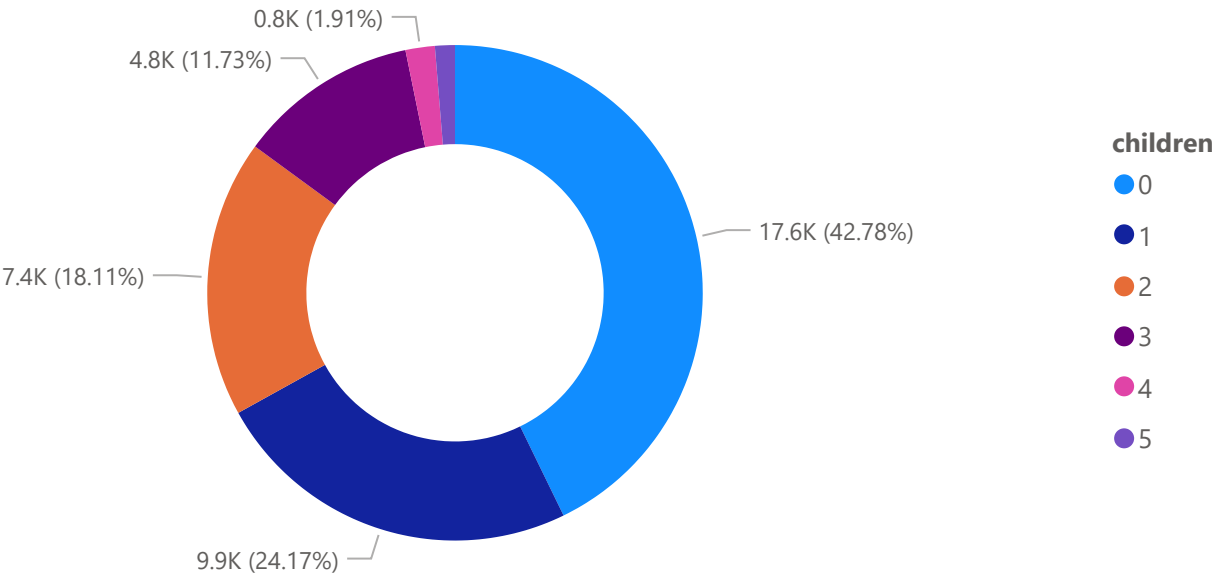
Sum of bmi by Age Group



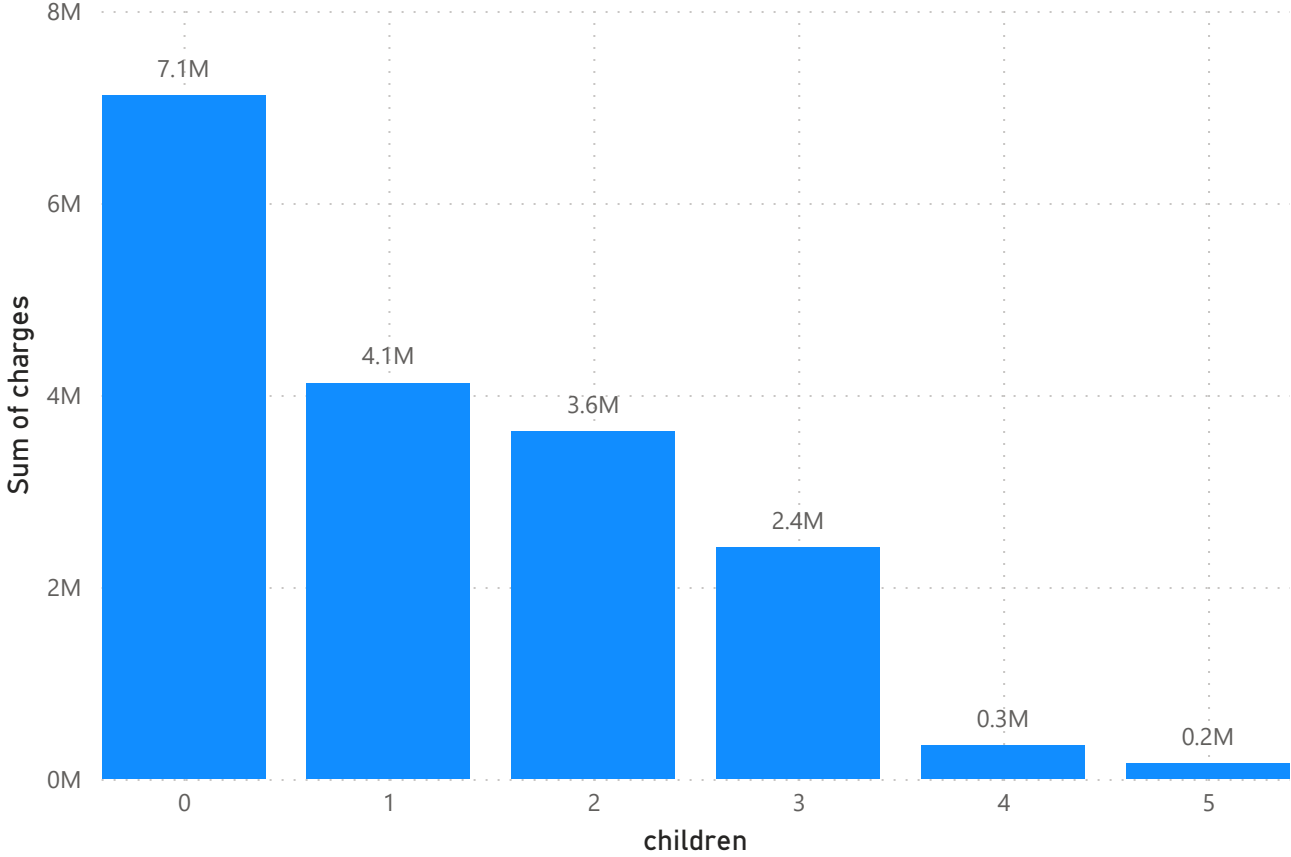
BMI & Charges



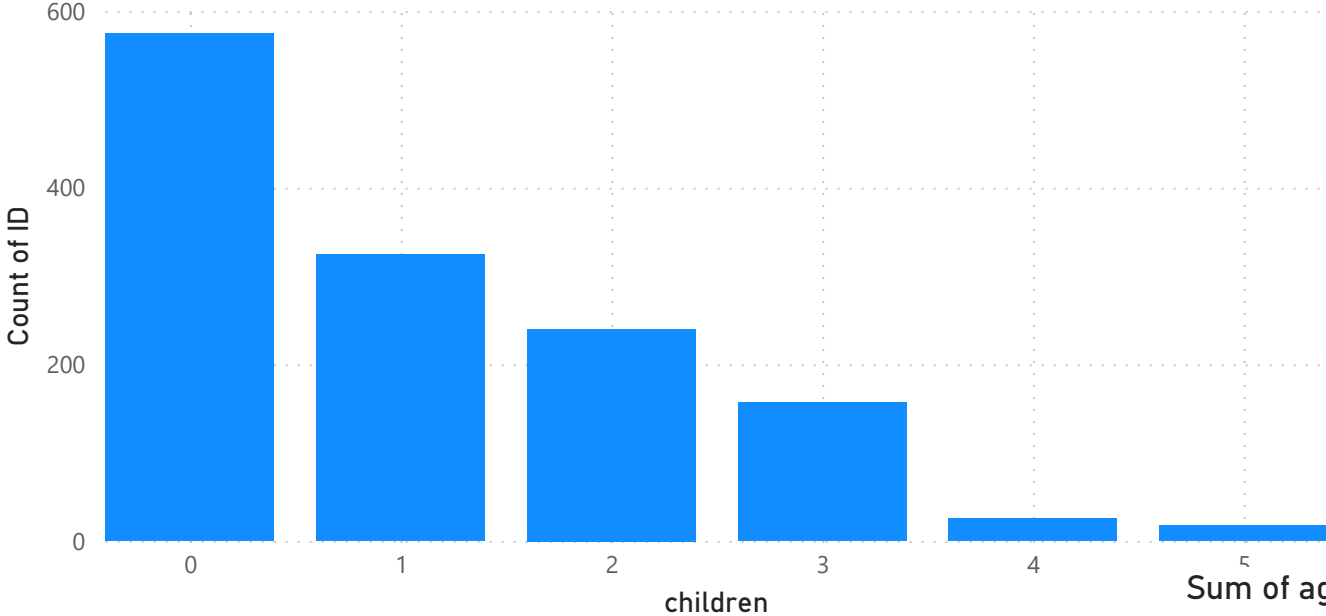
Sum of bmi by children



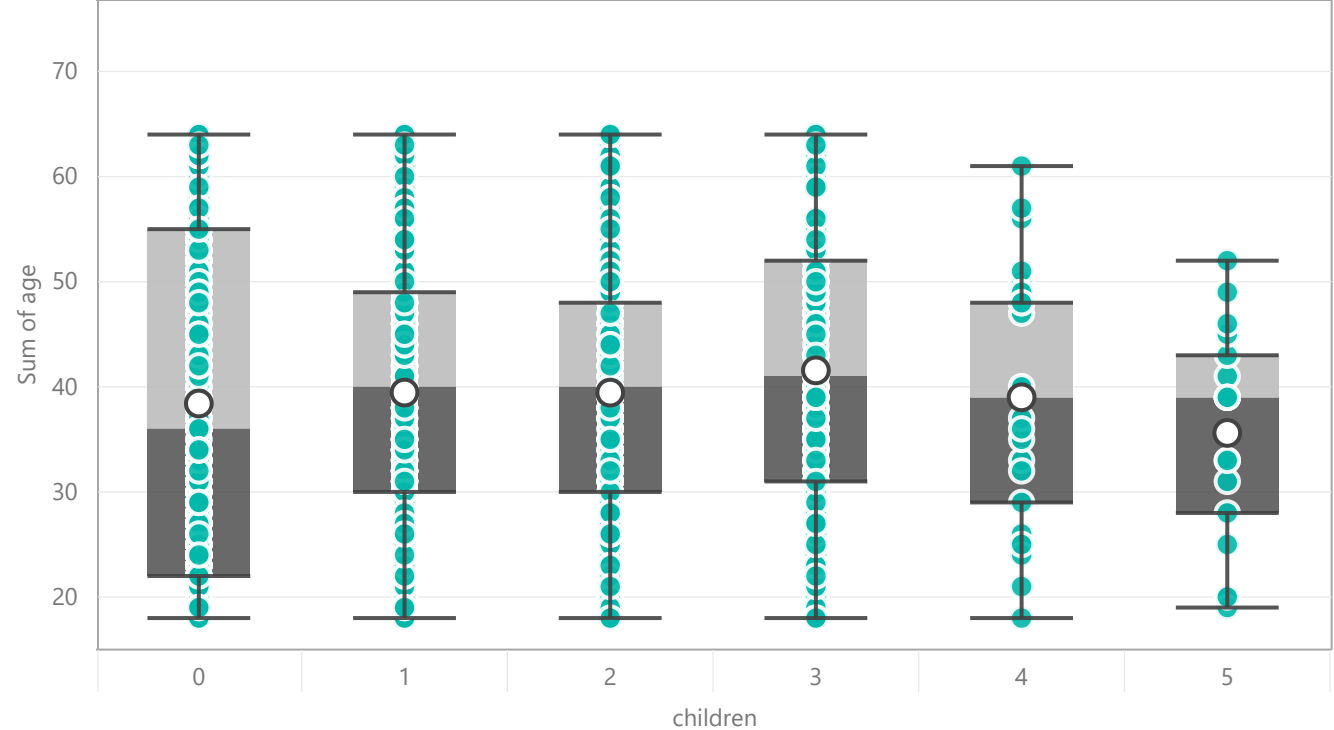
Sum of charges by children



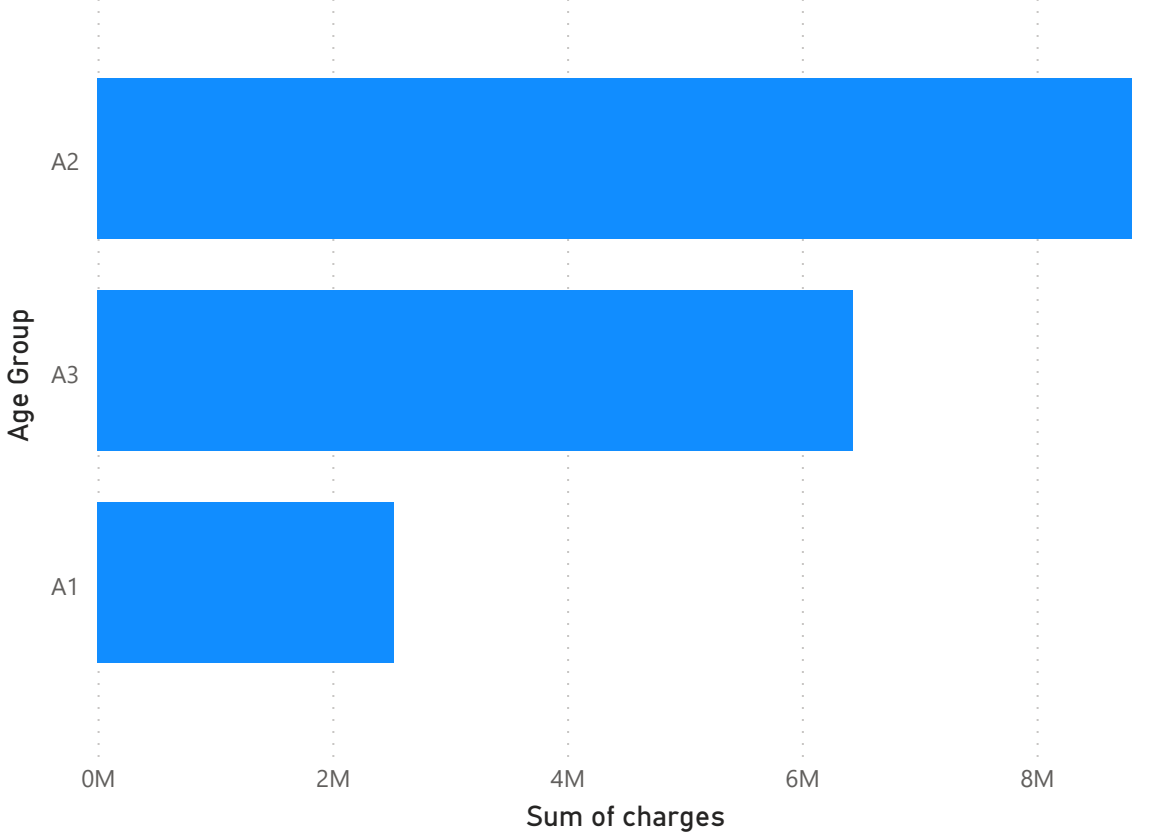
Count of ID by children



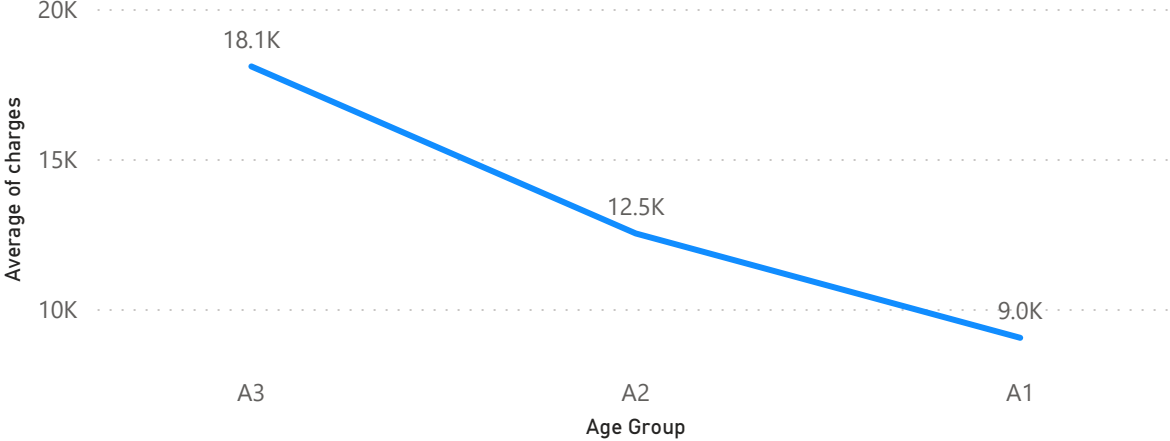
Sum of age by ID and children



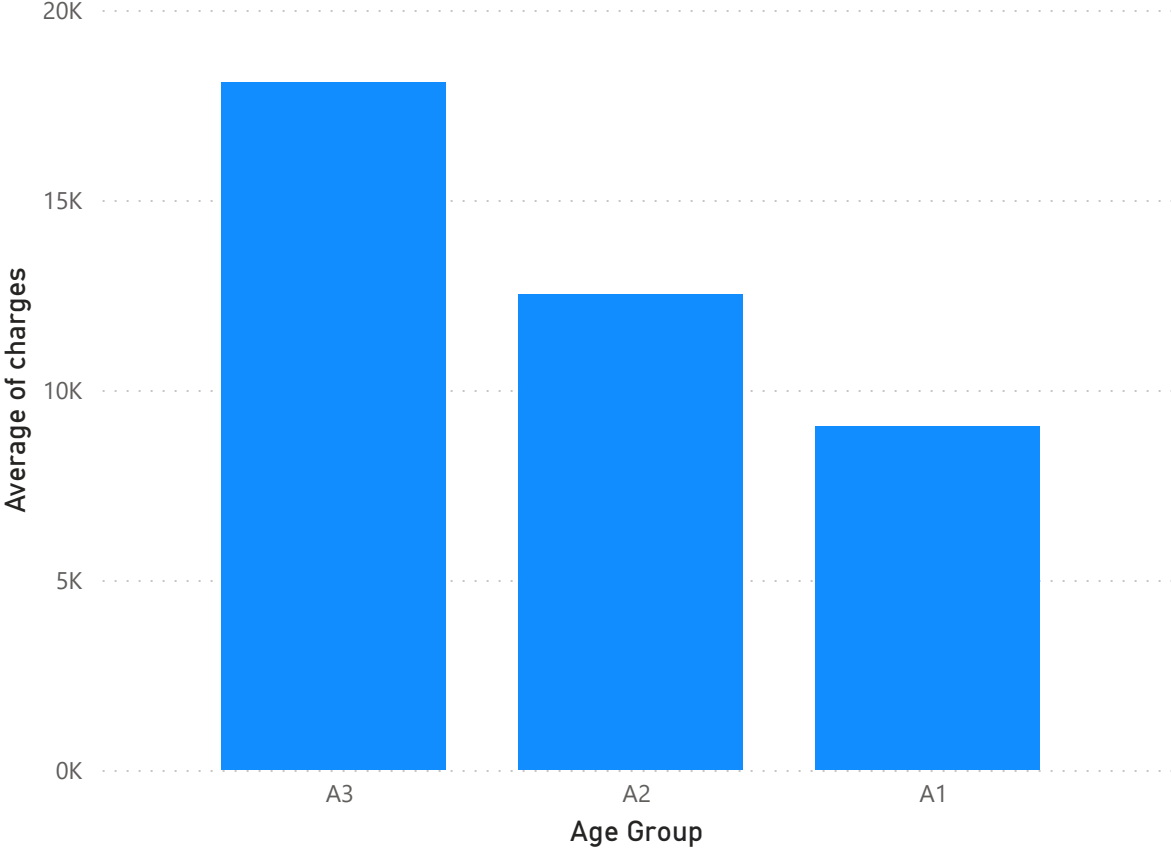
Age Group and charges



Average of charges by Age Group



Average of charges by Age Group



Sexs	Average of charges	Avg_charges
female	12,576.09	\$12,576
male	13,956.75	\$13,957
Total	13,273.12	\$13,273

smoker	Avg_charges
no	\$8,442
yes	\$32,050
Total	\$13,273

Region	Avg_charges
northeast	\$13,406
northwest	\$12,418
southeast	\$14,735
southwest	\$12,361
Total	\$13,273

BMI Class	Avg_charges
Normal-weight	\$10,409
Obesity	\$15,552
Over-weight	\$11,003
Under-weight	\$8,852
Total	\$13,273

\$13K

Avg_charges

10%

Sex_%Difference

178%

Smoker_%Difference

5

MaxChildren

0

MinChildren