HEALTH INSURANCE ANALYSIS

TEAM

Smokers
- Non-smokers
- Smokers

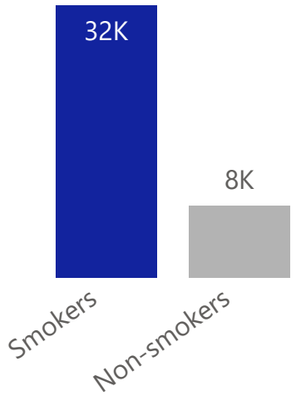
Sex
- Female
- Male

Age Bracket
- Select all
- 18-25
- 26-35
- 36-45
- 46-55
- 56-65

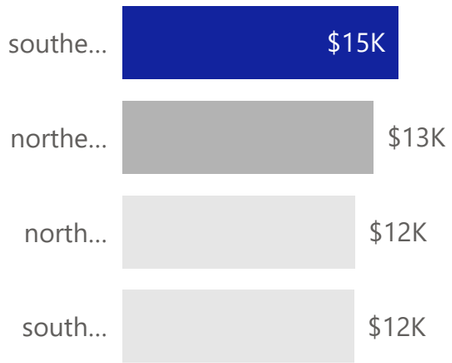
Region
- Select all
- northeast
- northwest
- southeast
- southwest

Men's health insurance charges are 10% higher.

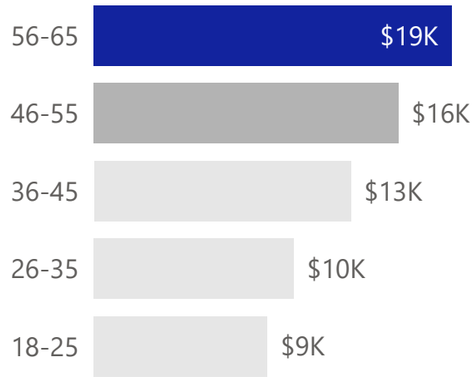
Smokers' health insurance charges are 178% higher.



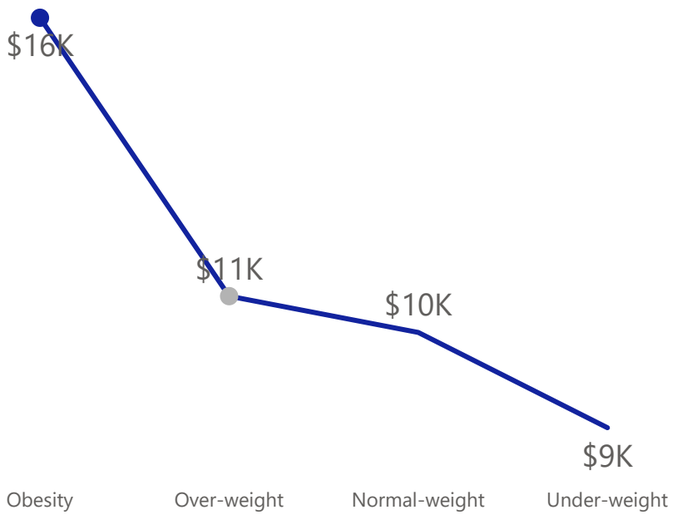
The South-west region has the highest health insurance charges



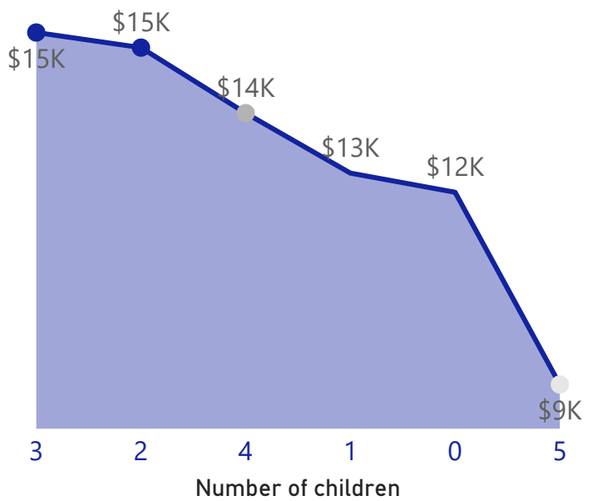
Adult between age 56 and 65 has the highest health insurance charges



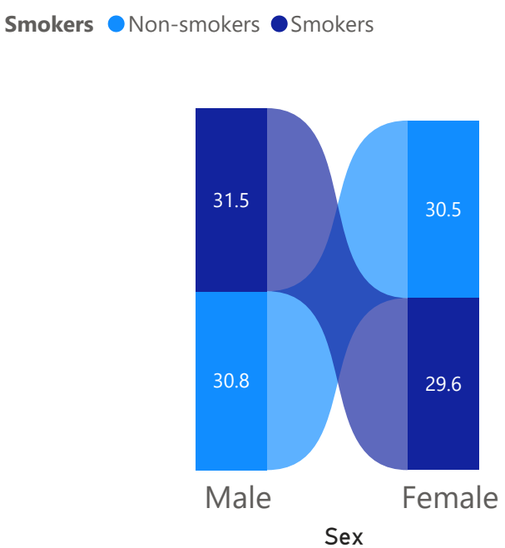
Obes patient spend more on health insurannce



People with 2 and 3 children pay more for health insurance



Majority of the smokers are male with higher BMI



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	26.29	37.17
Mean(BMI)	Q1(BMI)	RANGE(BMI)
30.40	30.40	6.09
Median(BMI)	Q2(BMI)	STANDARD DEVIATION(BMI)
32.30	34.70	37.14
Mode(BMI)	Q3(BMI)	VARIANCE(BMI)

13.27K
MEAN(CHARGES)

4.74K
Q1(CHARGES)

62.65K
RANGE(CHARGES)

9.39K
Q2(CHARGES)

9.39K
MEDIAN(CHARGES)

12.10K
STANDARD DEVIATION(CHARGES)

16.78K
Q3(CHARGES)

146.44M
VARIANCE(CHARGES)

1.64K
Mode(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)

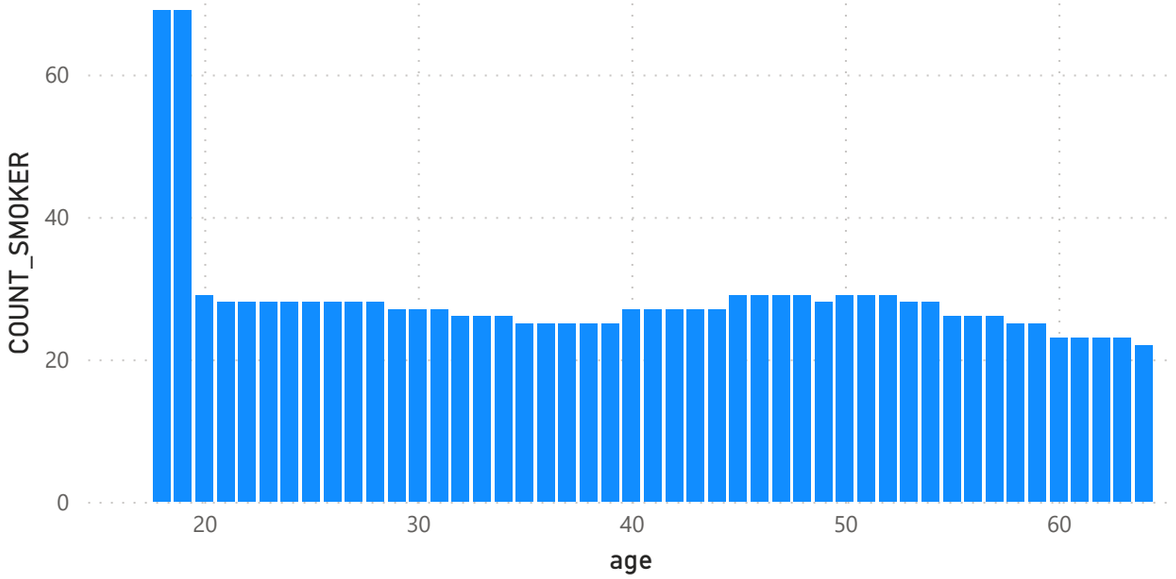
Sexs	COUNT(SEX)
female	663
male	676
Total	**1339**

smoker	COUNT_SMOKER
no	1065
yes	274
Total	**1339**

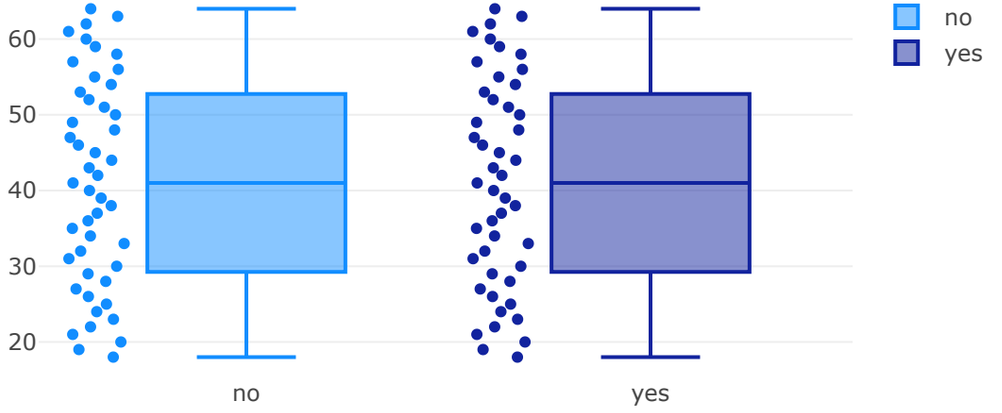
Region	Region_Count
northeast	324
northwest	325
southeast	364
southwest	326
Total	**1339**

age, Sexs and age

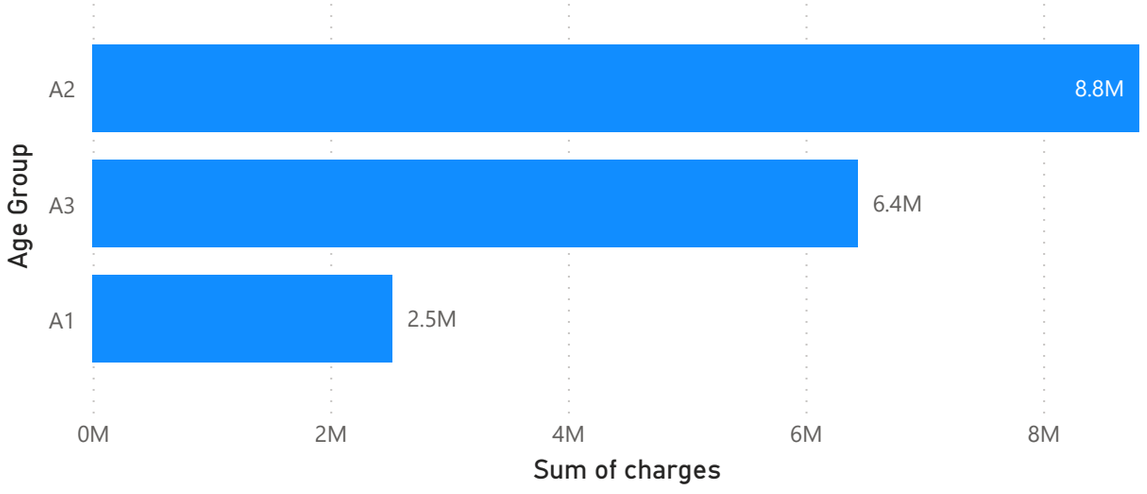
COUNT_SMOKER by age



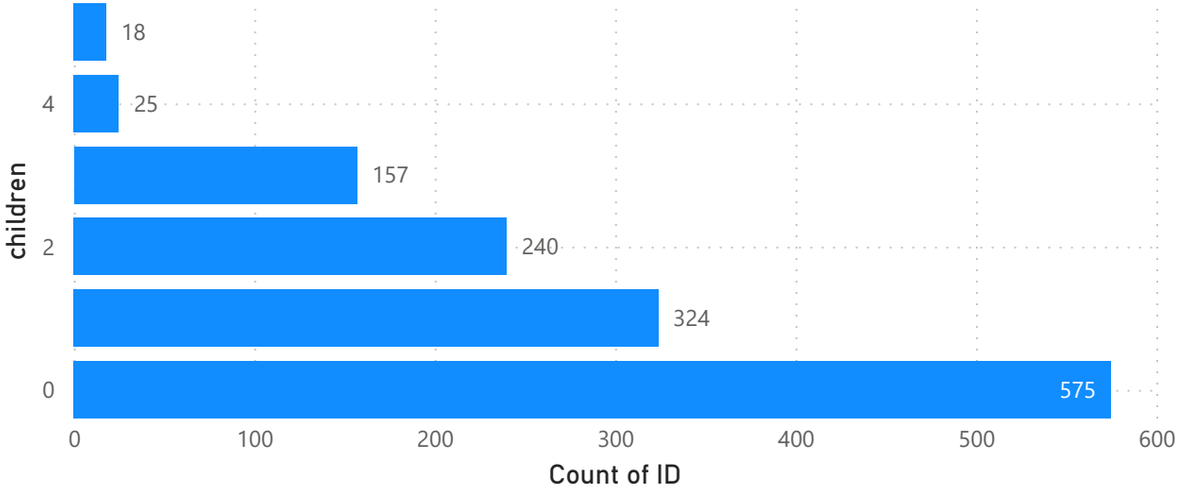
smoker and age



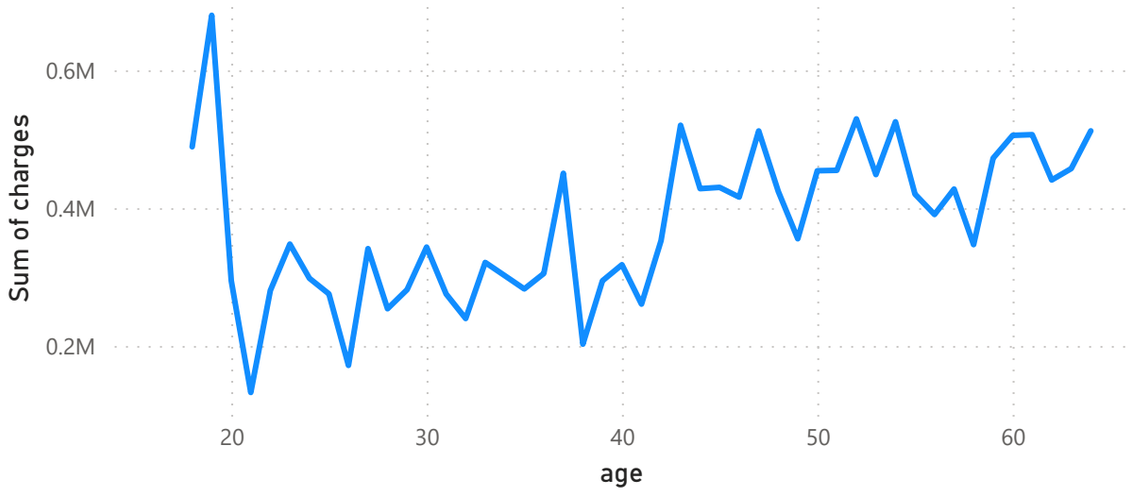
Sum of charges by Age Group



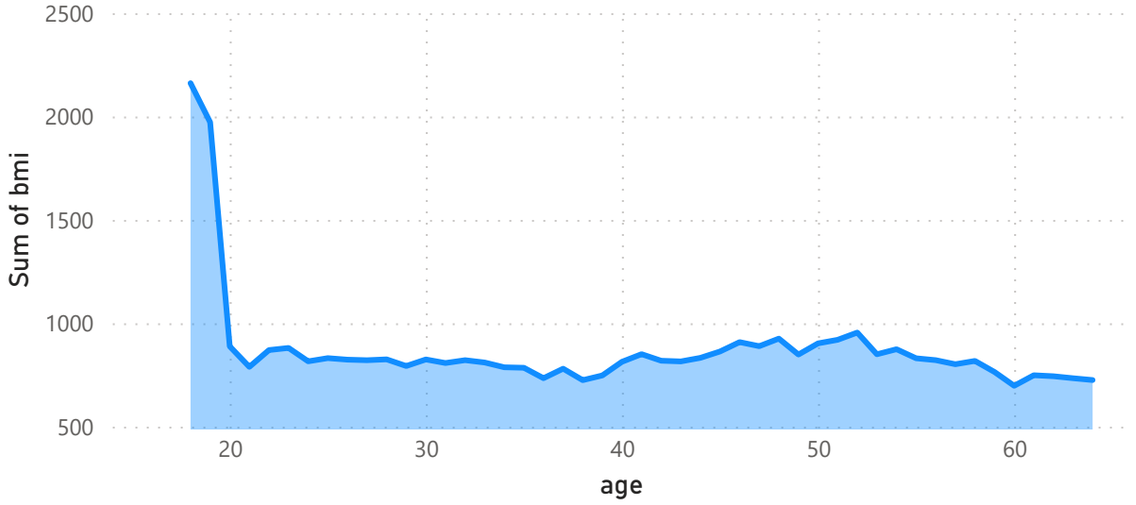
Count of ID by children



Age and Charges



Age & BMI

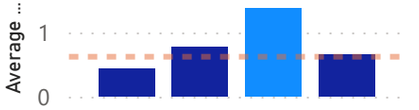


Key influencers **Top segments**

What influences children to Increase ?

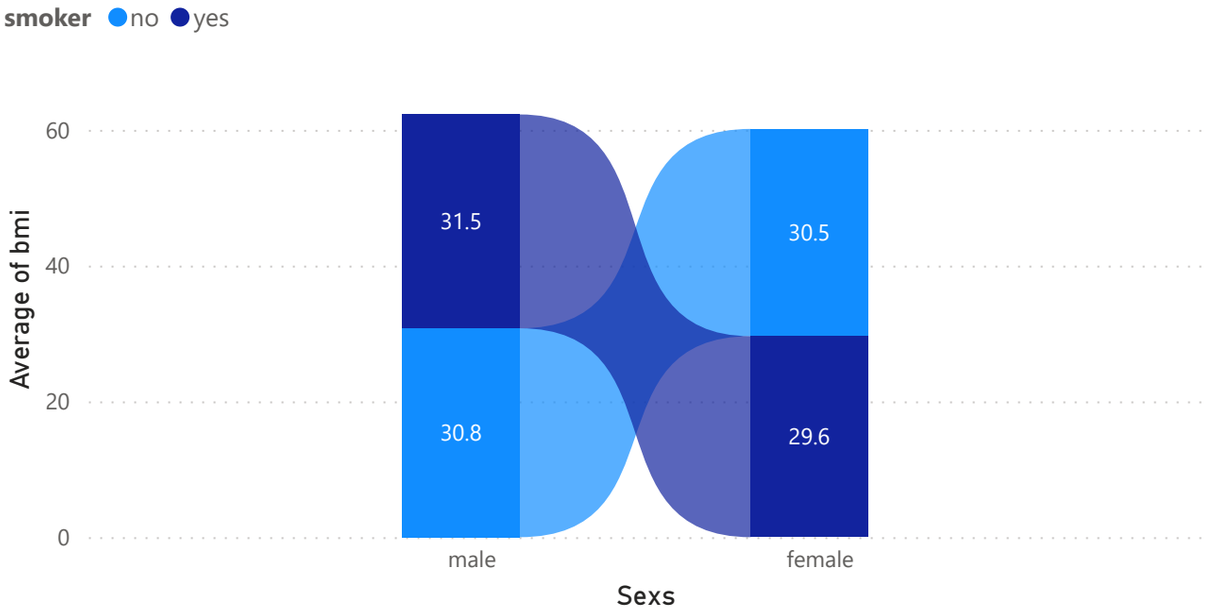
When...	....the average of children increases by
Sum of age is 24 - 55	0.75

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

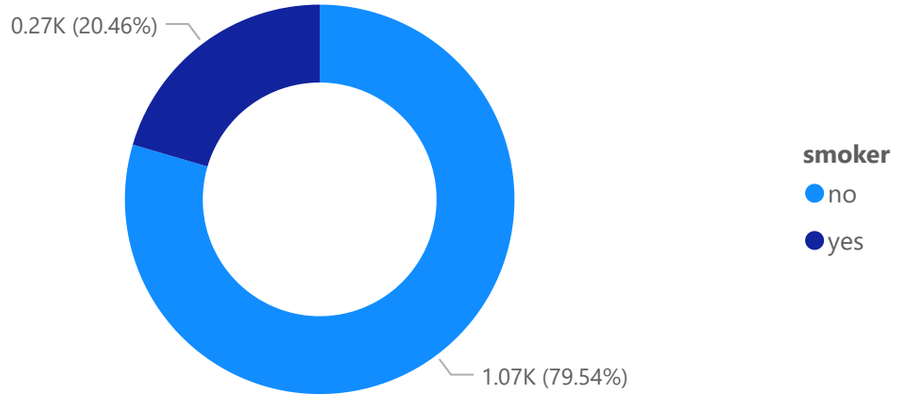


Only show values that are influencers

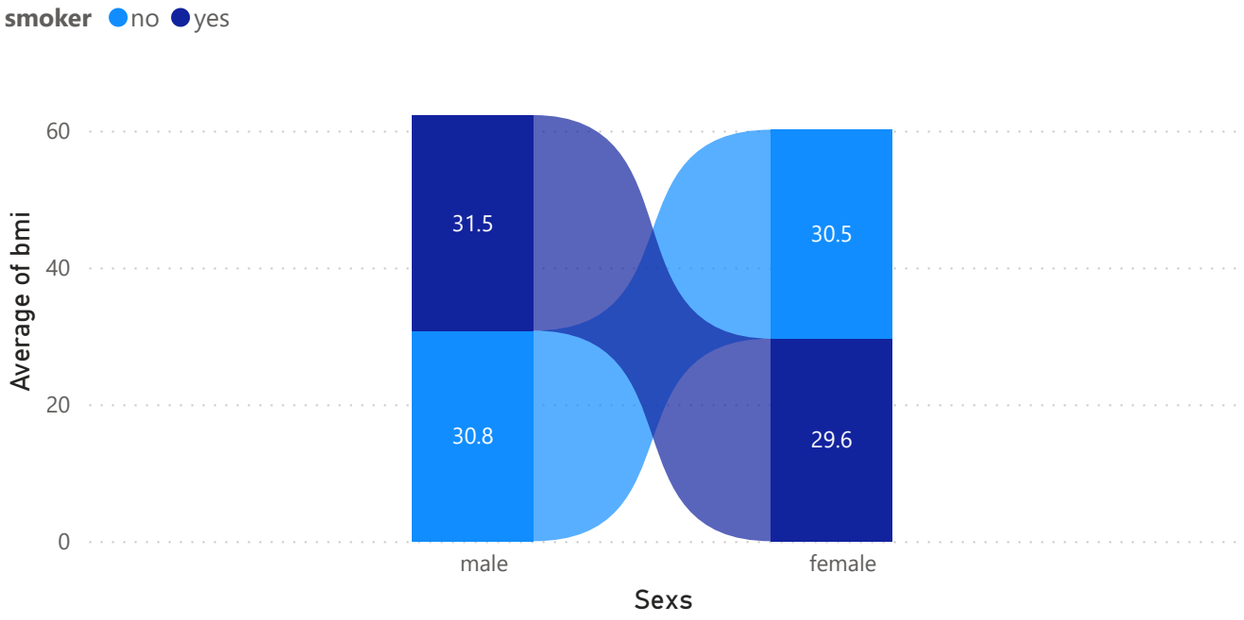
Average of bmi by Sexs and smoker



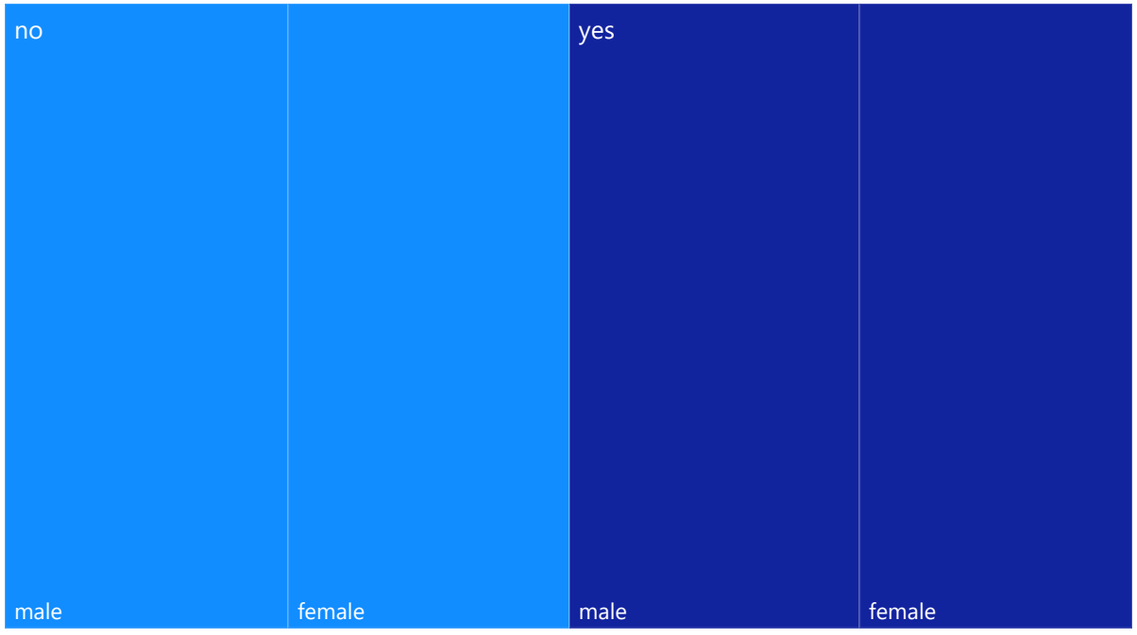
Count of smoker by smoker



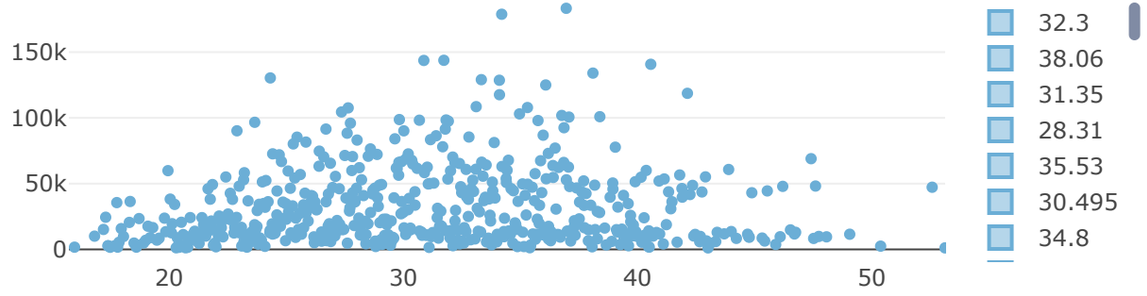
Average of bmi by Sexs and smoker



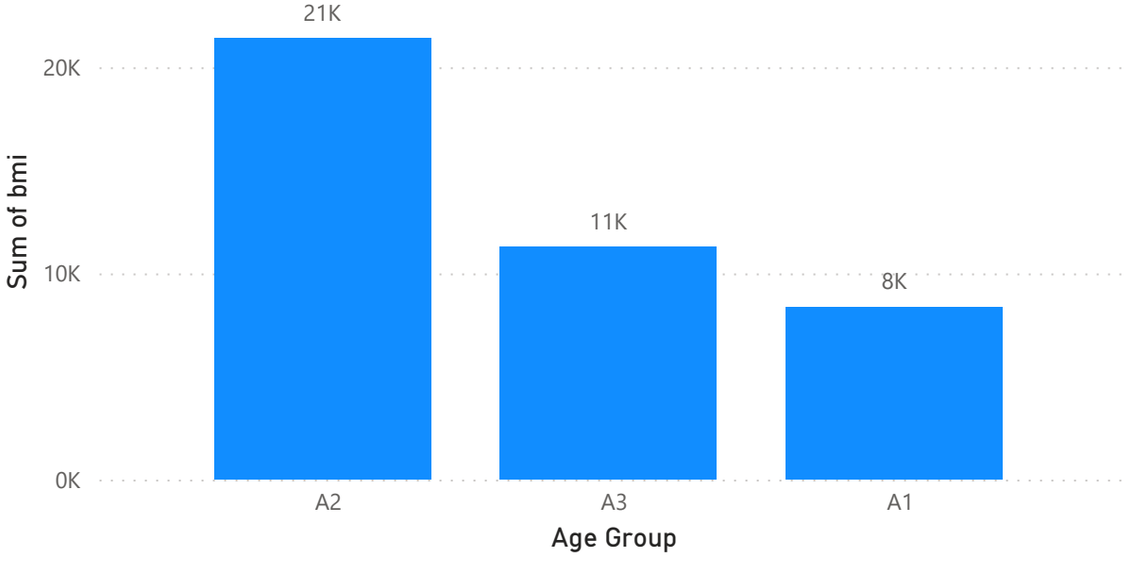
Mean(BMI) by smoker and Sexs



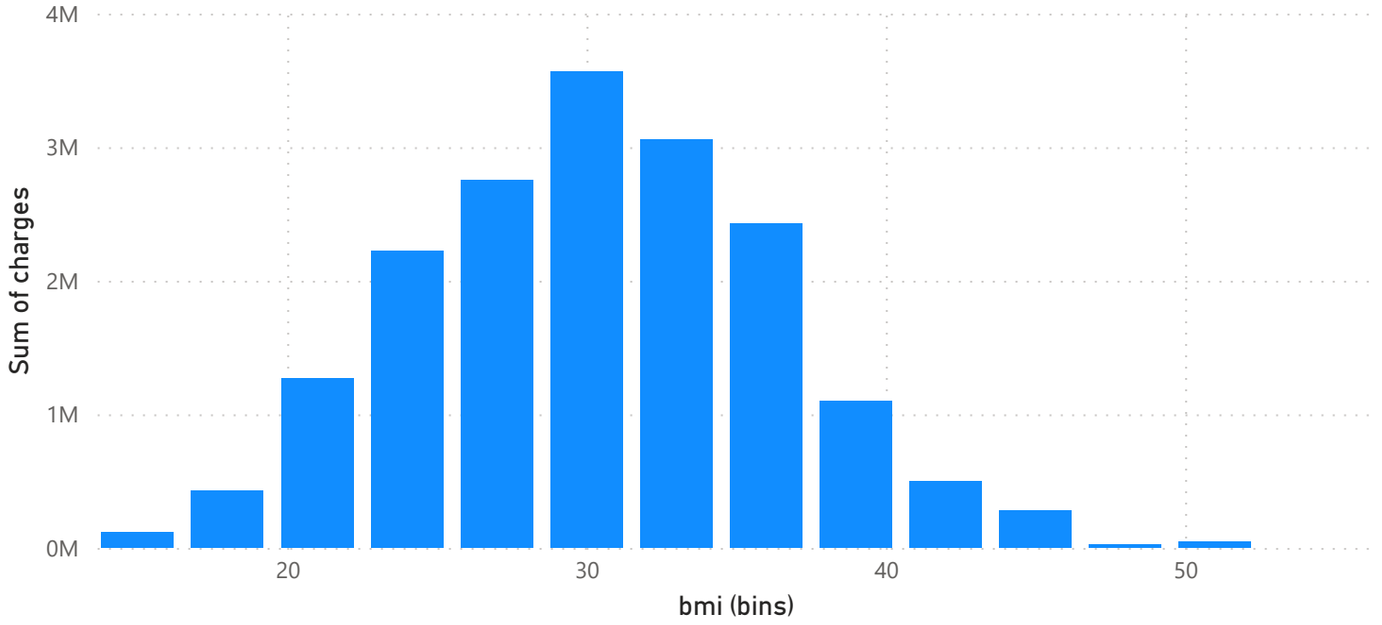
BMI & Charges



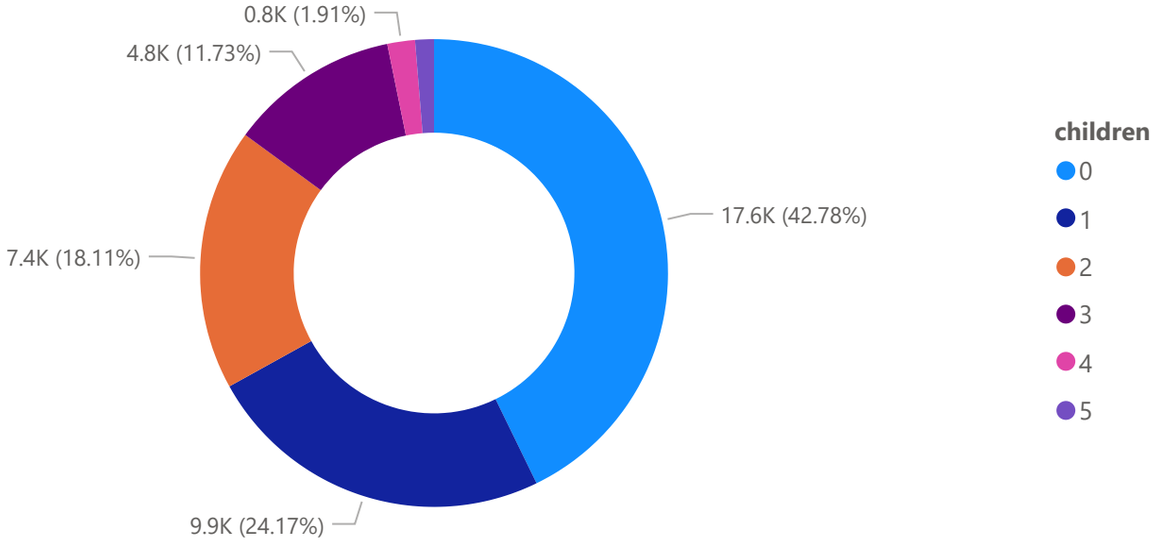
Sum of bmi by Age Group



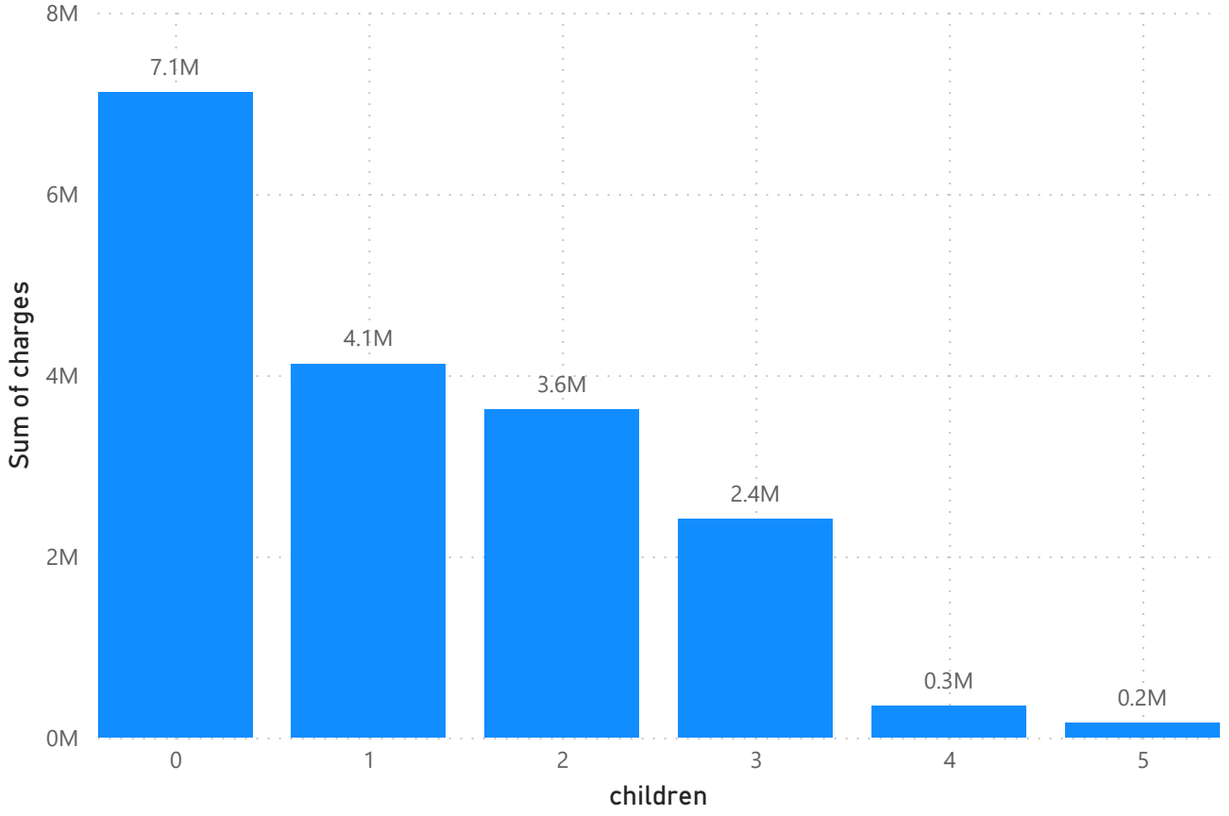
BMI & Charges



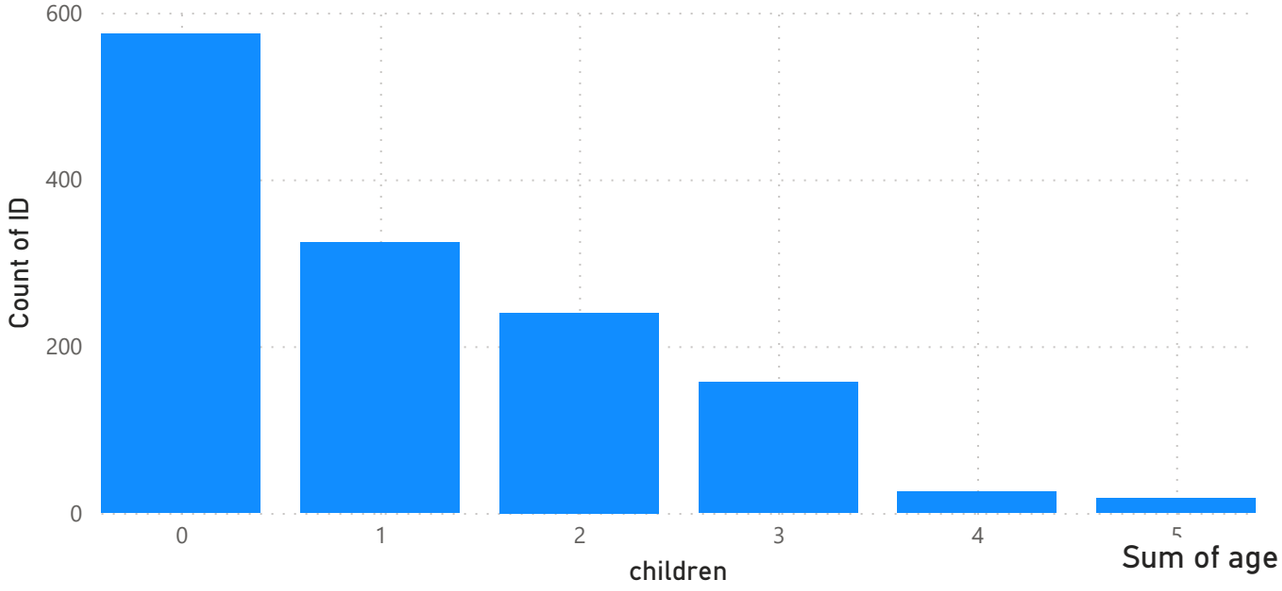
Sum of bmi by children



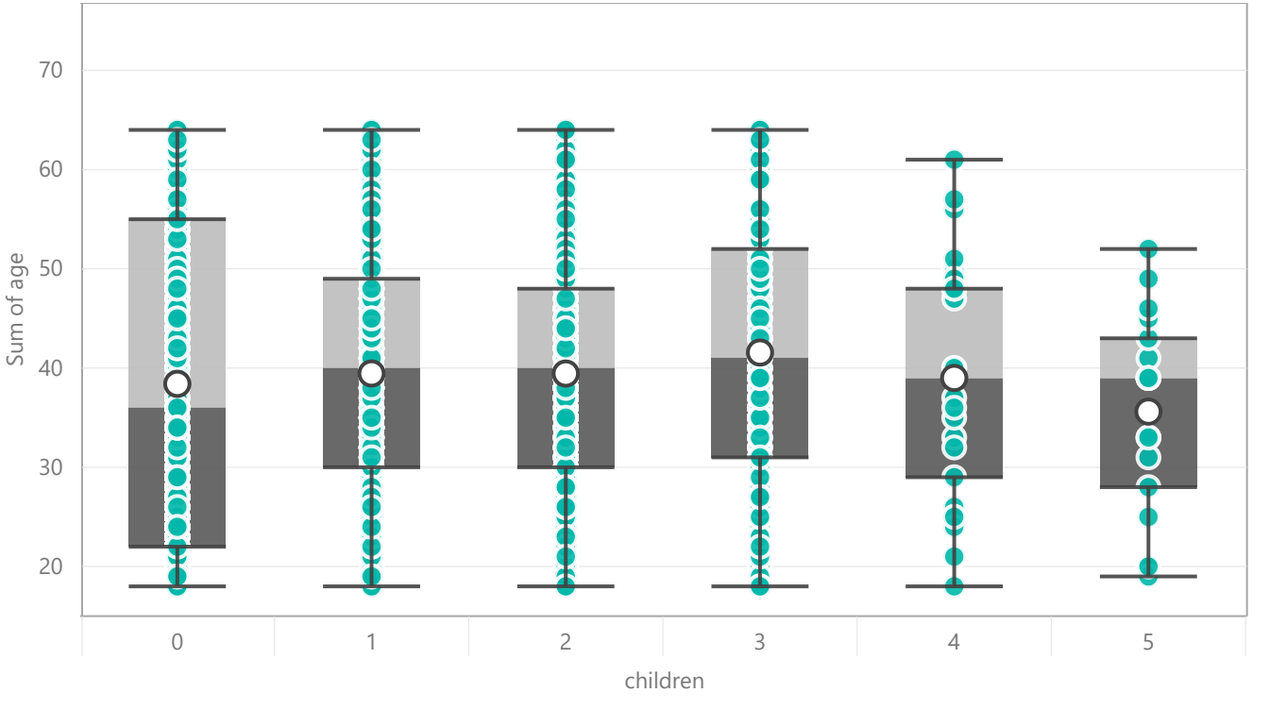
Sum of charges by children



Count of ID by children



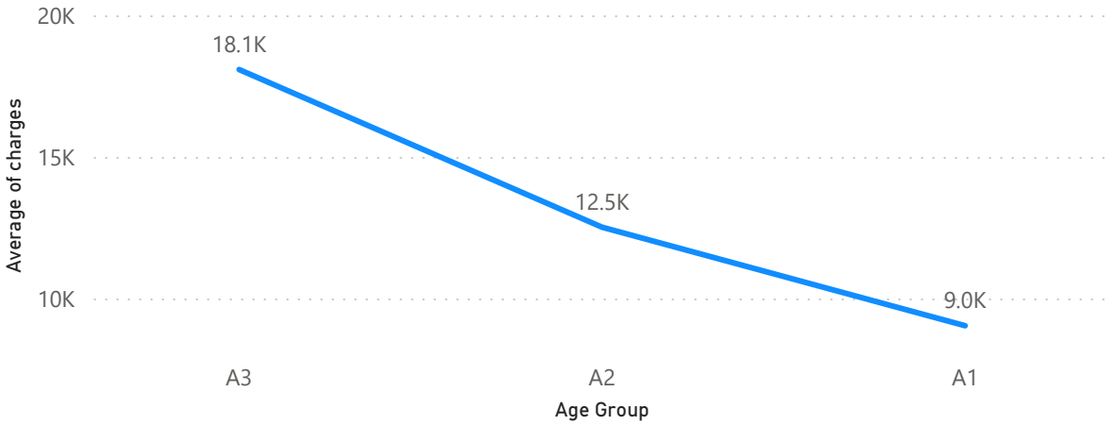
Sum of age by ID and children



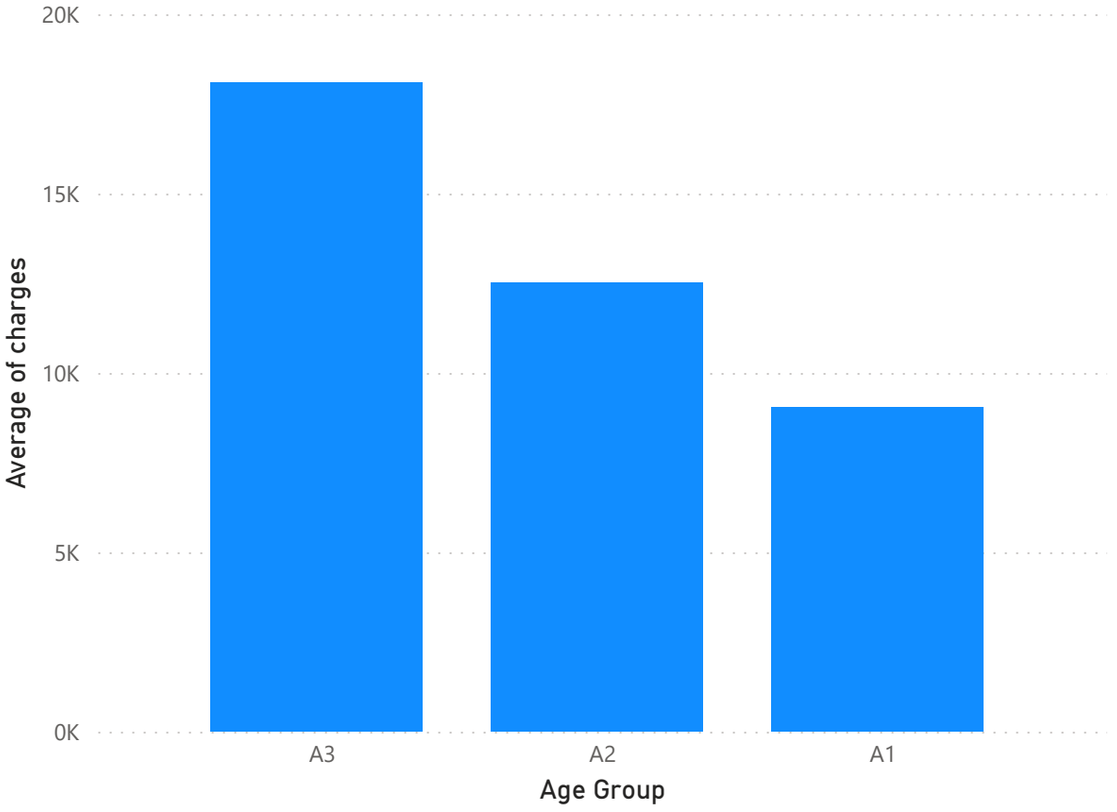
Something's wrong with one or more fields. See details

Fix this

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