



Sex

☐ female

☐ male

Avg\_Bmi

30.66

Sum\_of\_Charges

17.76M

Sum\_of\_Childrens

30.66

Regions

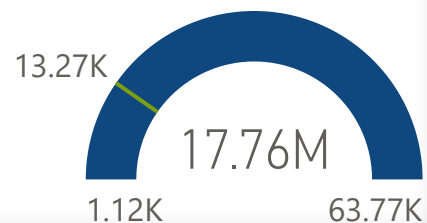
All

Smoker

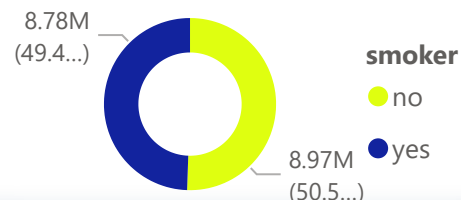
☐ no

☐ yes

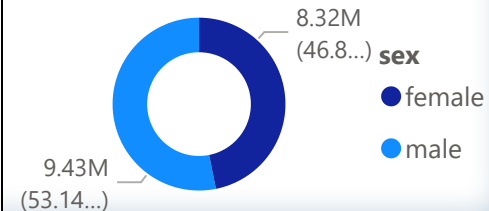
### Max, Min, Avg Charges



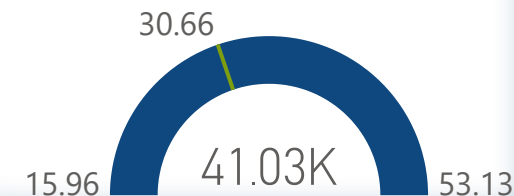
### Sum of charges by smoker



### Sum of charges by sex



### Max, Min, Avg BMI



### Summerize the Insights

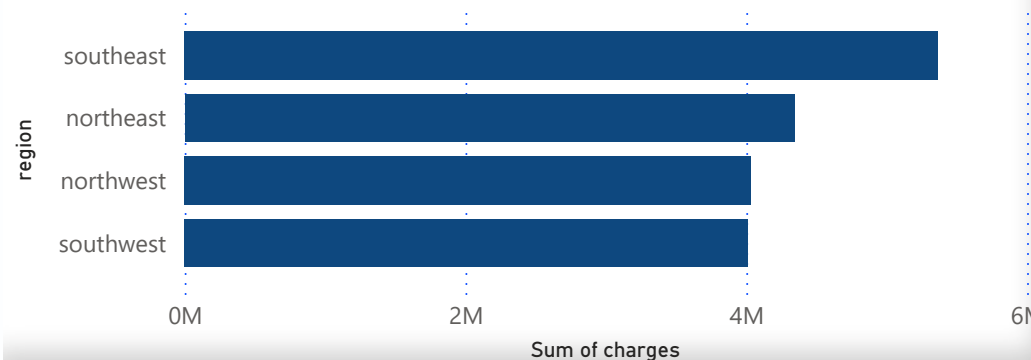
At 662,857.83, 19 had the highest Sum of charges and was 400.45% higher than 21, which had the lowest Sum of charges at 132,453.00.

19 accounted for 3.73% of Sum of charges.

### Overall Summary

| region    | sex    | age | smoker | Sum of children | Sum of bmi | Sum of charges |
|-----------|--------|-----|--------|-----------------|------------|----------------|
| southeast | male   | 47  | yes    | 4               | 136.62     | 150,068.55     |
| northeast | male   | 18  | yes    | 3               | 156.66     | 127,624.72     |
| southeast | male   | 64  | yes    | 2               | 94.60      | 123,393.44     |
| southeast | male   | 22  | yes    | 4               | 127.27     | 119,151.01     |
| northwest | female | 19  | yes    | 0               | 119.70     | 105,423.77     |
| northwest | male   | 19  | yes    | 1               | 123.98     | 103,773.27     |
| southeast | male   | 43  | yes    | 7               | 94.16      | 103,452.68     |
| Total     |        |     |        | 1465            | 41,027.63  | 17,755,824.99  |

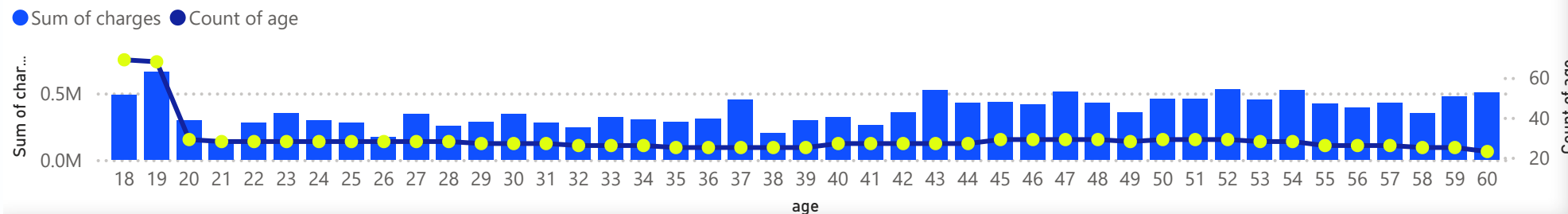
### Sum of charges by region



Sum of charges and Count of age diverged the most when the age was 19, when Sum of charges were 662,789.83 higher than Count of age.

Sum of charges for no (8,974,061.47) was higher than yes (8,781,763.52).

### Sum of Charges by Age



### Relationship Between Childrens and Smoker by Charges

