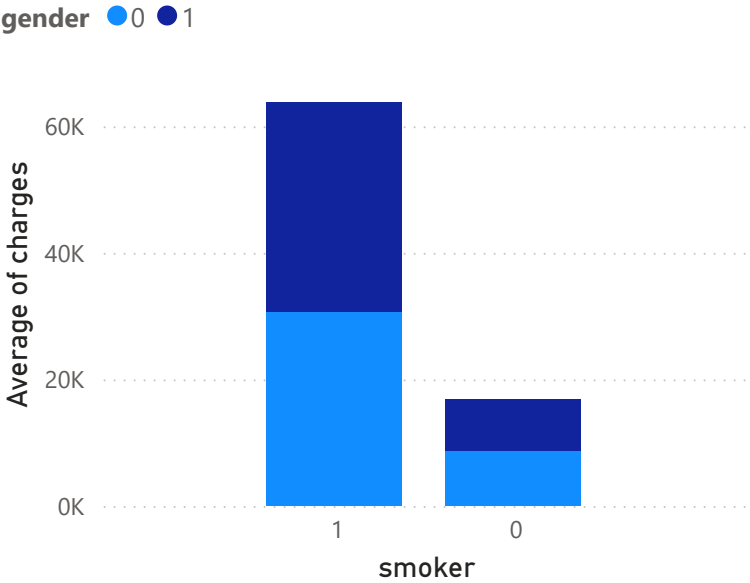
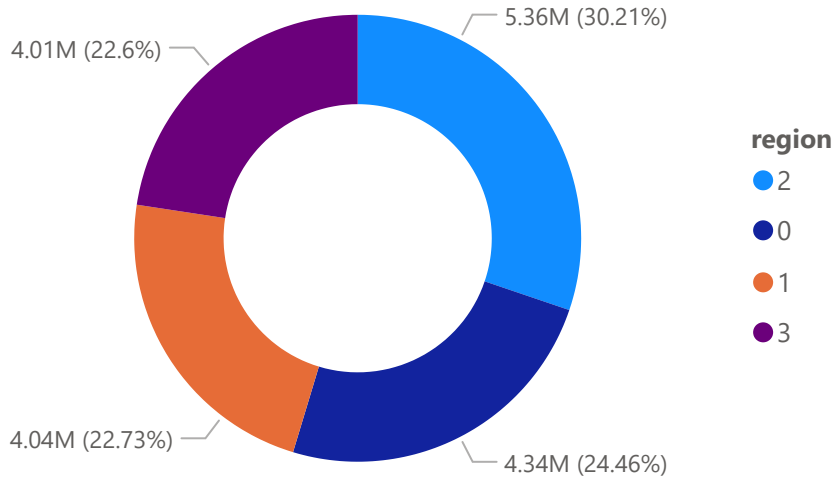


Average charges of smoker vs non-smoker by gender



Total charges by region



Summary:

a) Average Charges for Smokers vs. Non-Smokers by Gender:

- Smokers have significantly **higher** average charges compared to non-smokers.
- This trend is consistent for **both genders**, with male smokers incurring the highest charges.

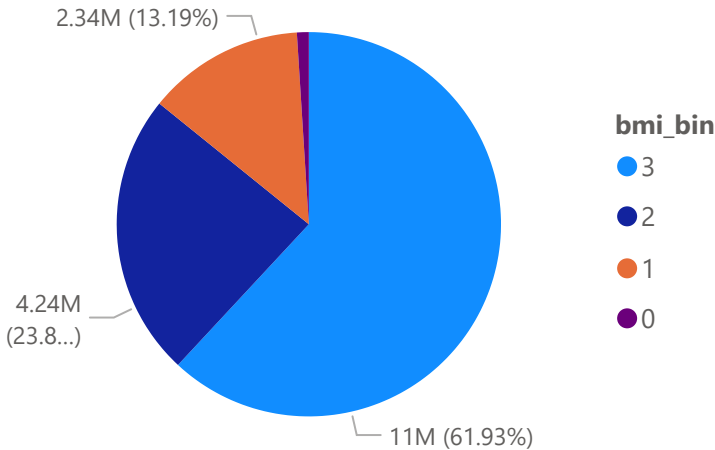
b)Total Charges by Region:

- Region 2 (Southeast) has the **highest** total charges, accounting for 30.21% of the overall charges.

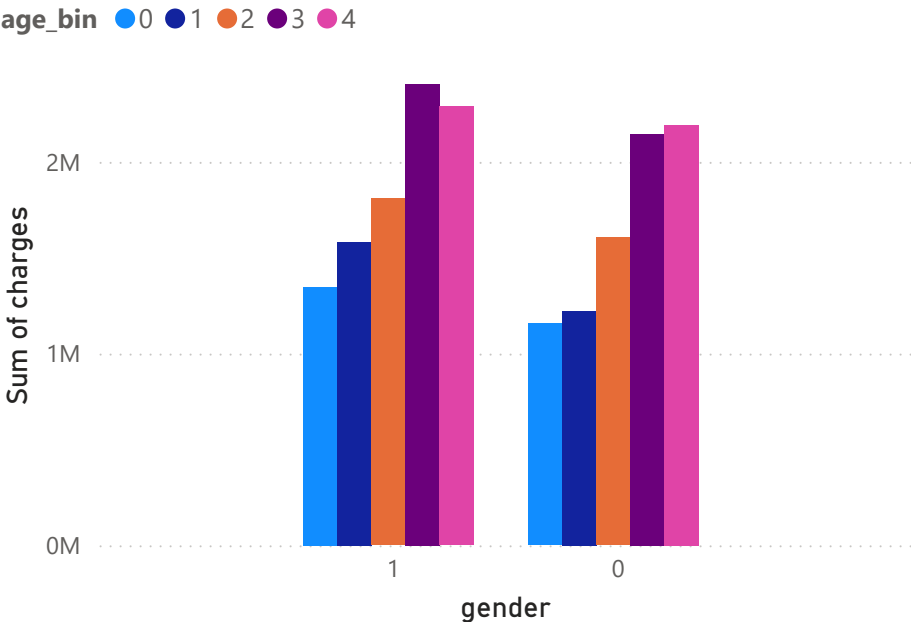
c)Sum of Charges by BMI Bin:

- Individuals in the highest BMI (bin 3) contribute the **most** to total charges, making up **61.93%** of the charges.
- Charges decrease as BMI bin decreases, with the lowest bin (bin 0) contributing the least at 13.19%.

Sum of charges by bmi_bin



Total charges by gender and age_bin



17.76M

Sum of charges