Distribution of age

- mean = 39.21
- median = 39.00

Distribution of bmi

mean = 30.66
median = 30.40

Distribution of children

- mean = 1.09
- median = 1.00

Distribution of charges

- mean = 13,270.42
- median = 9,382.03
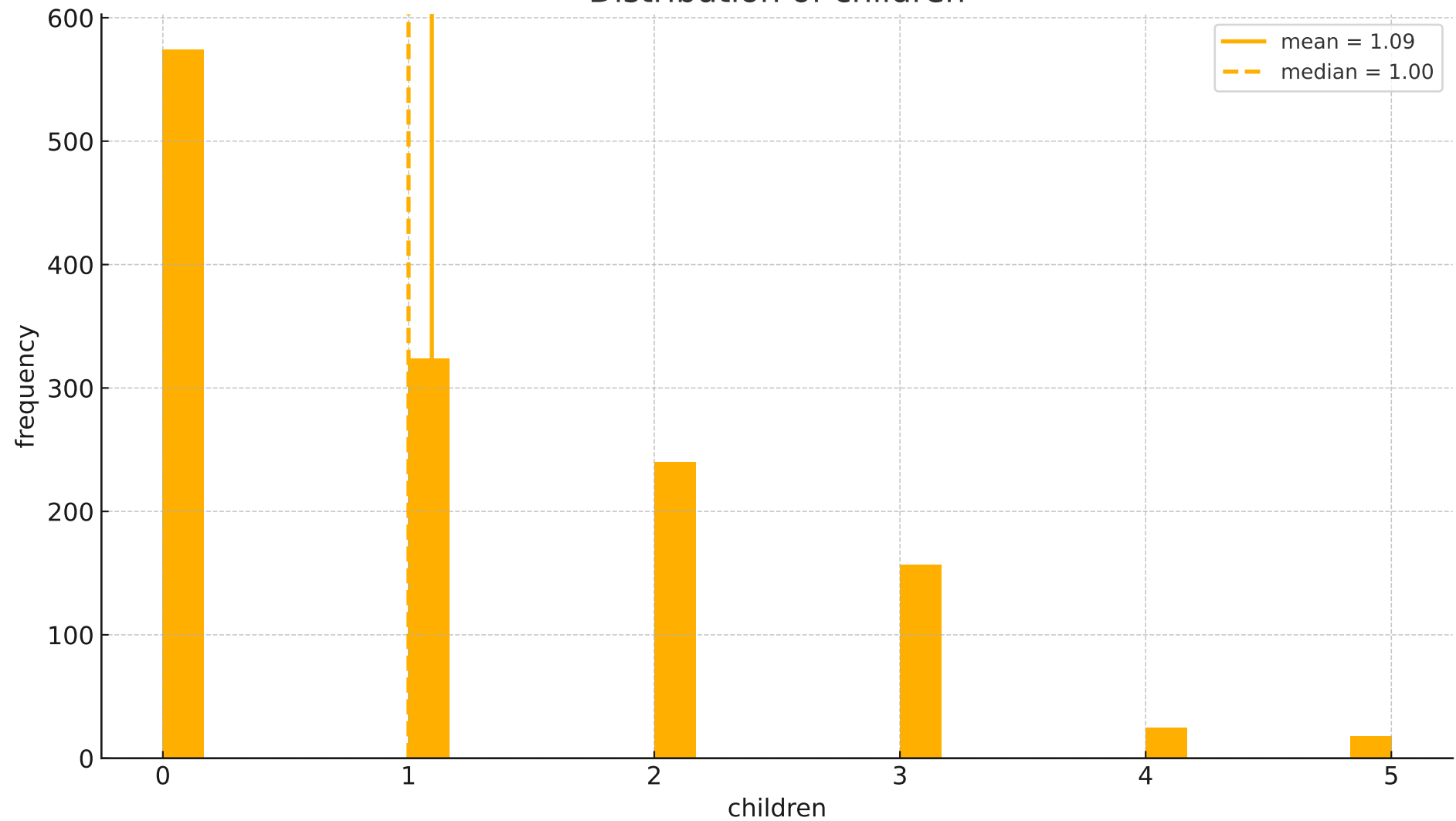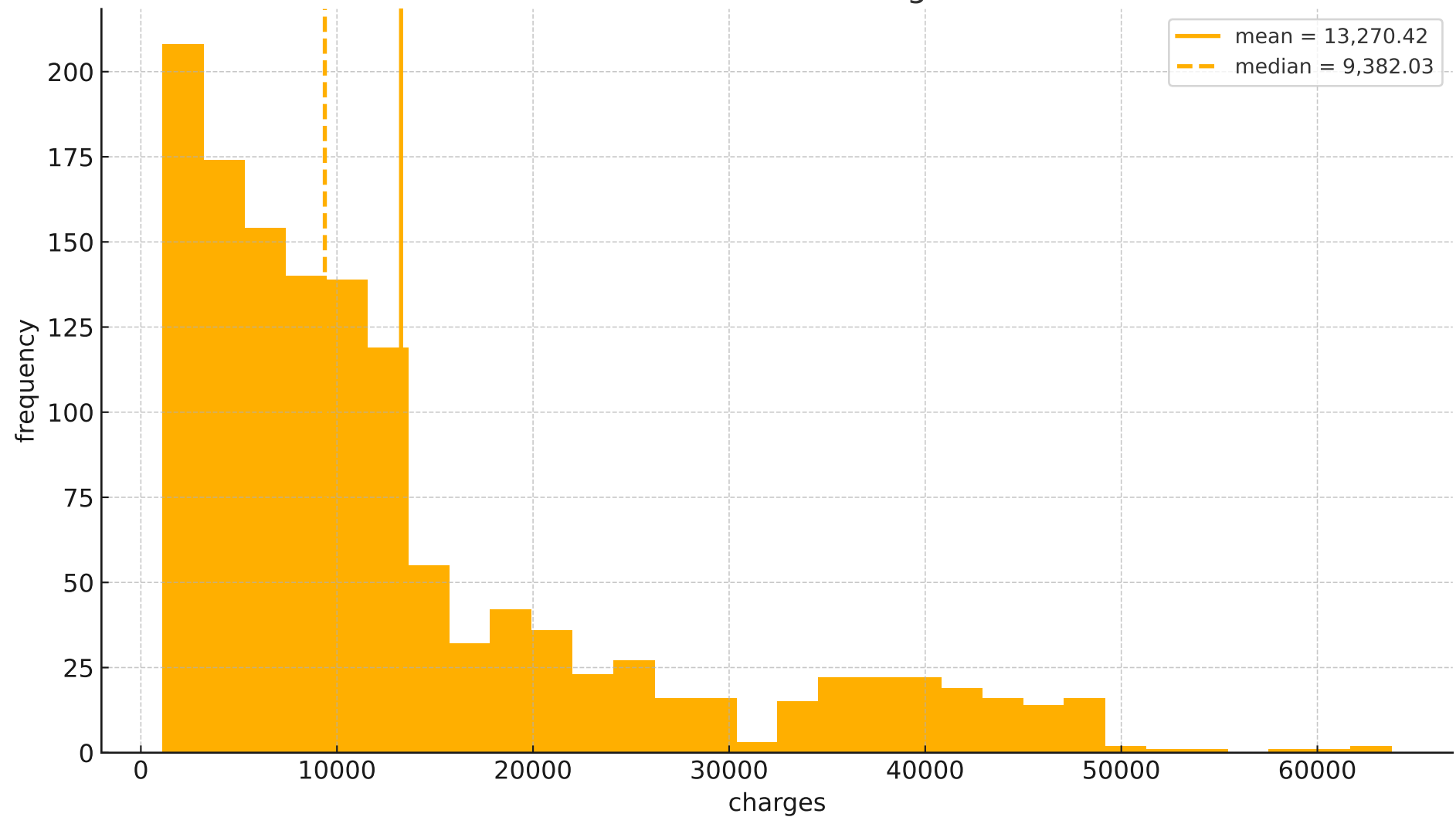
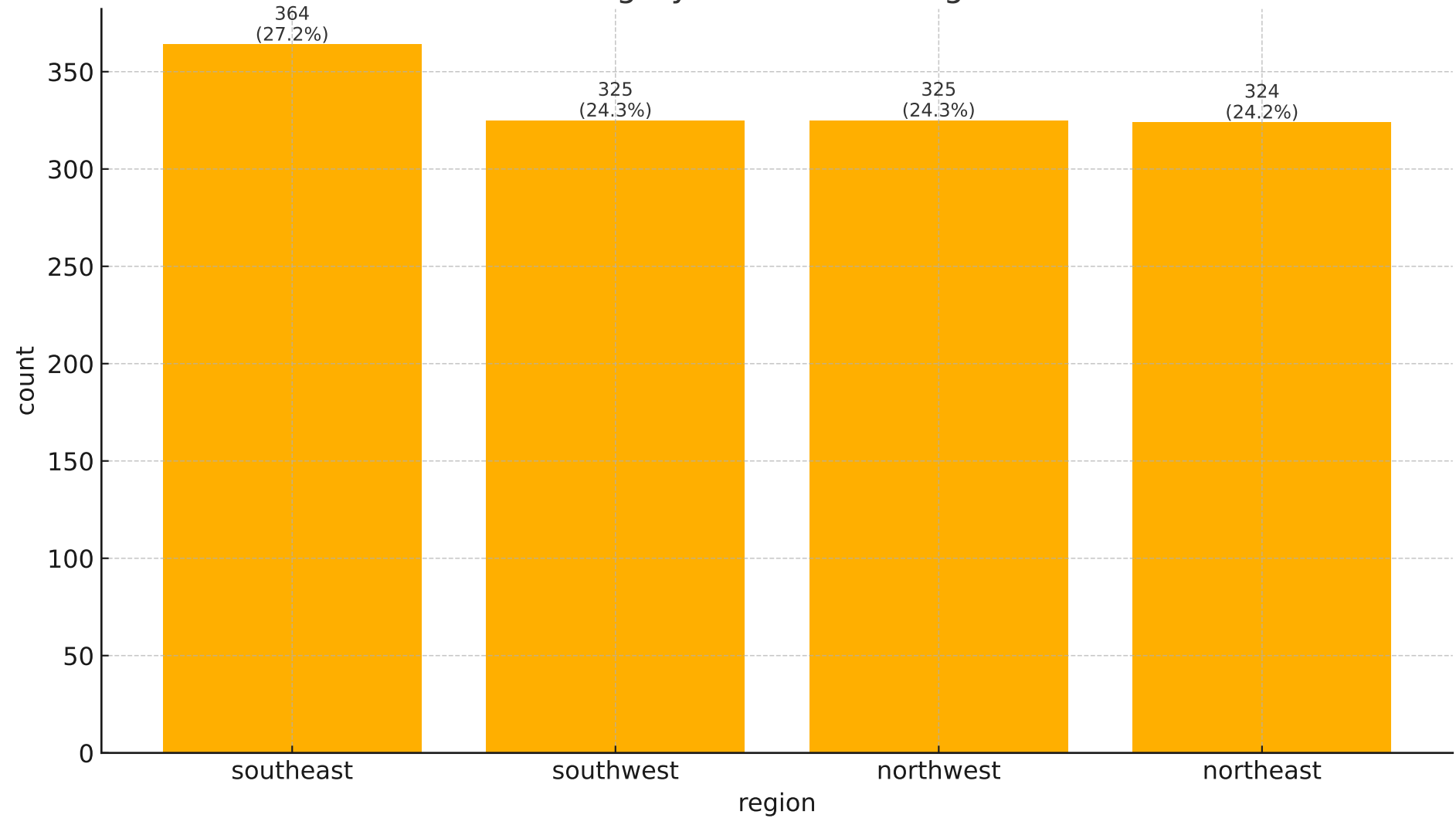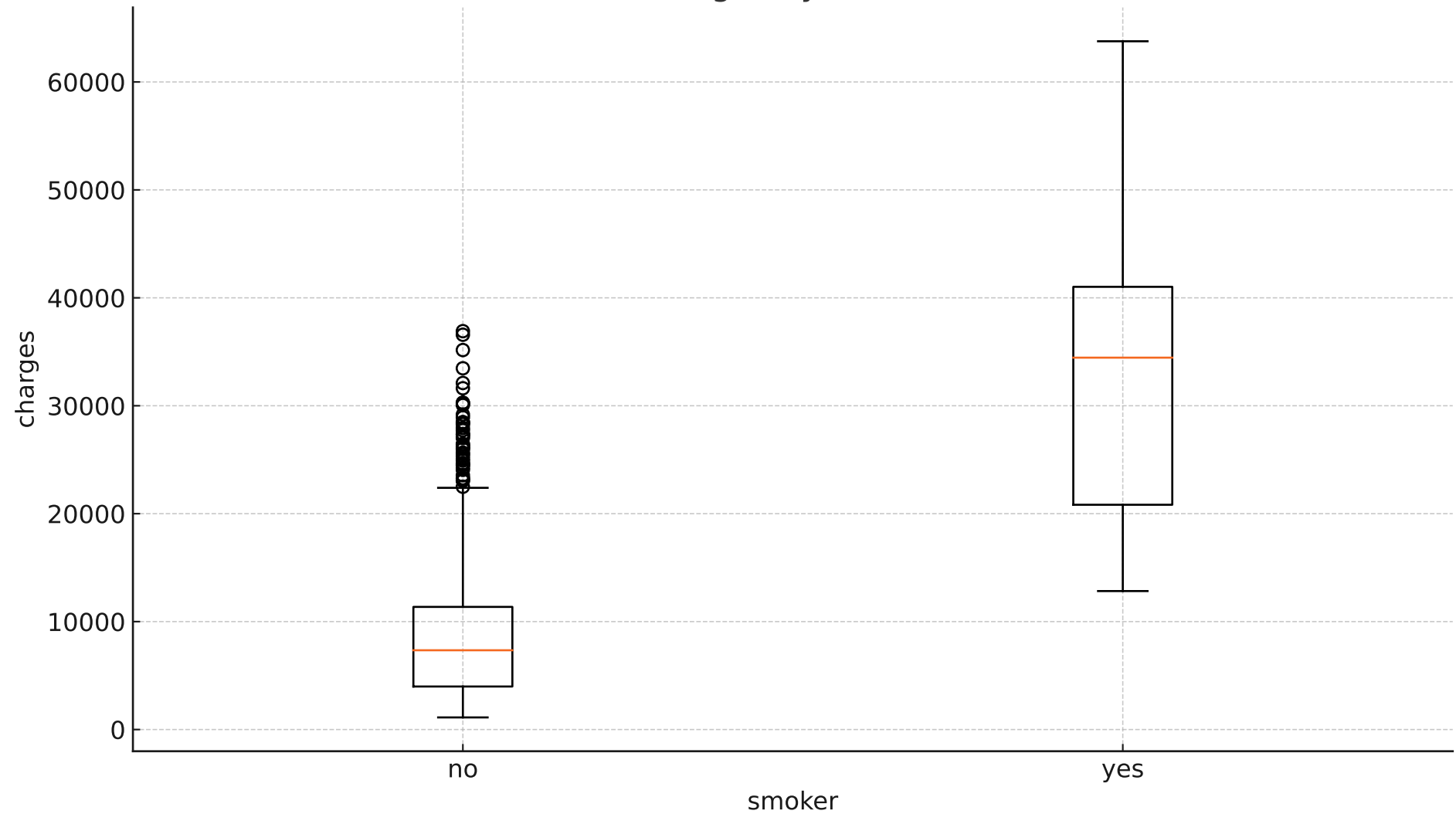# Category distribution: sex
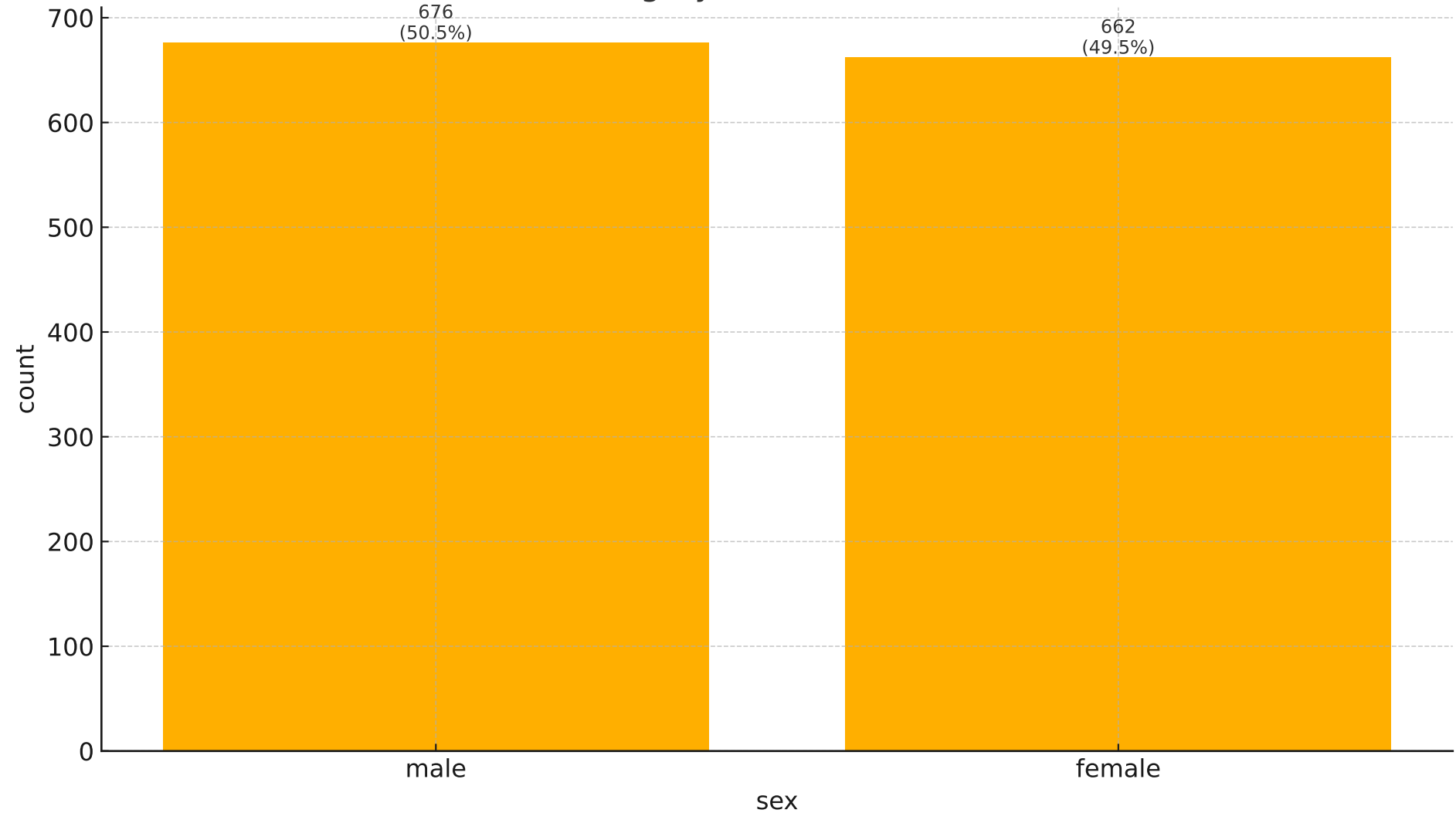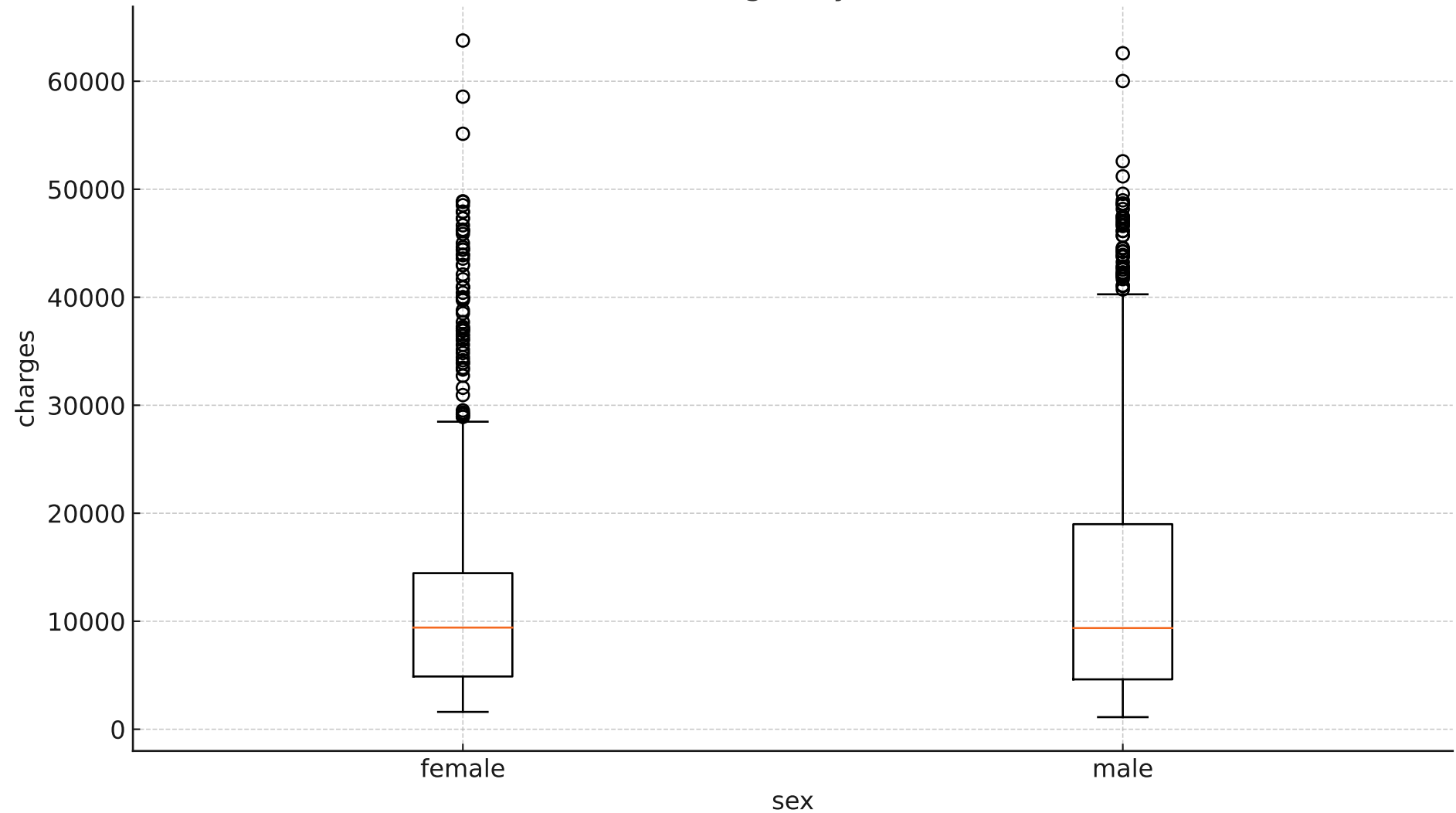
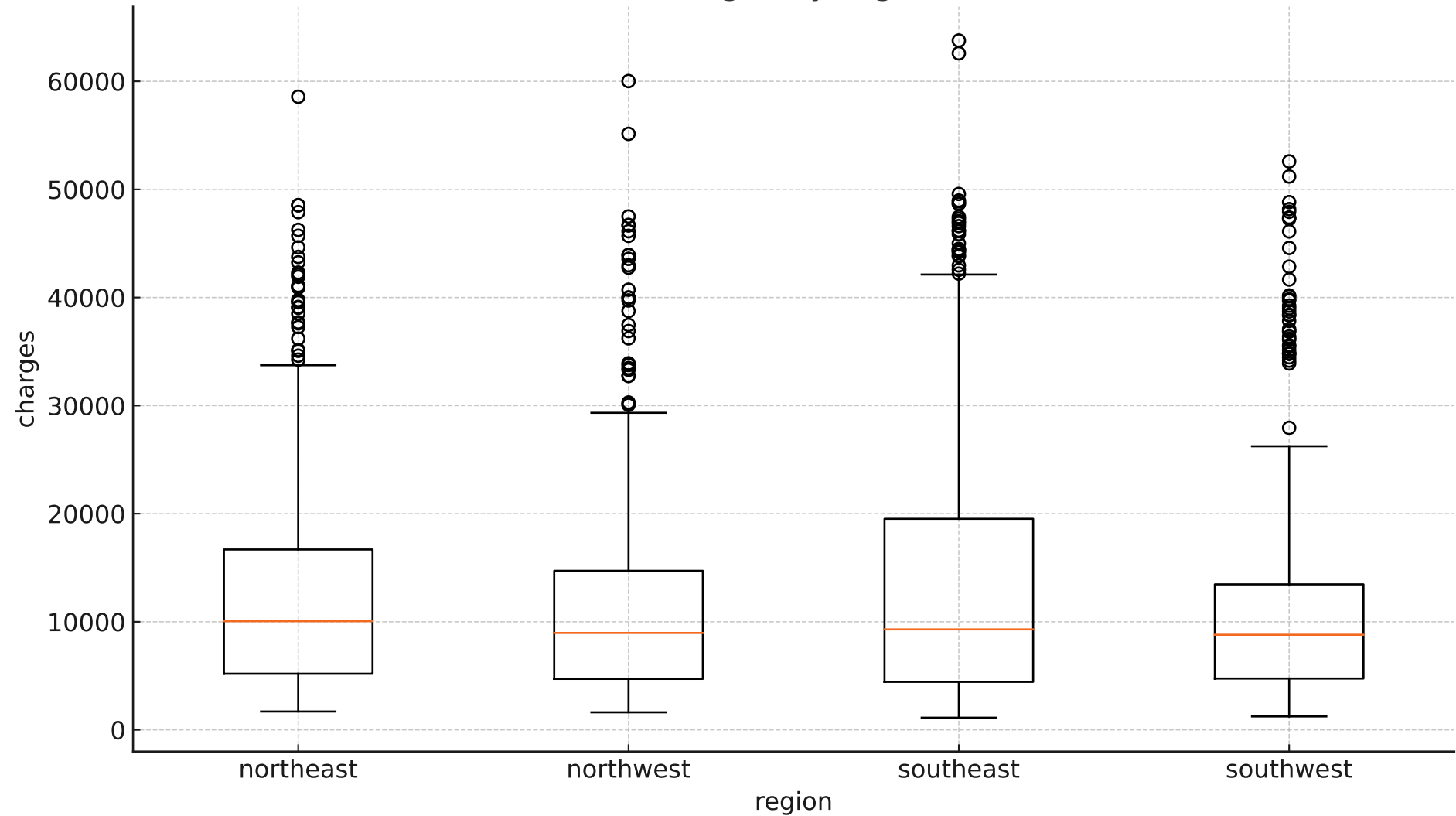Category distribution: smoker
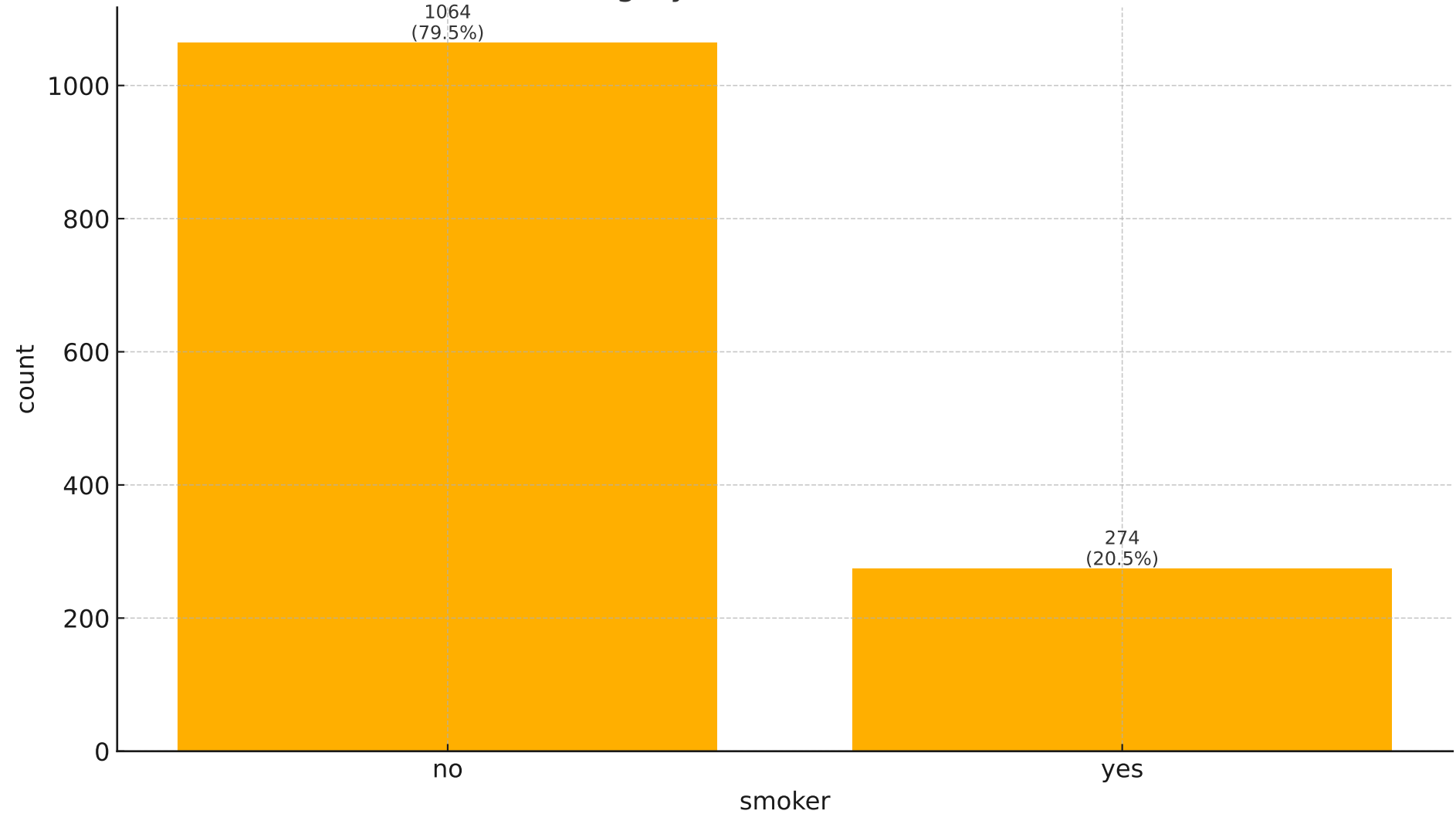
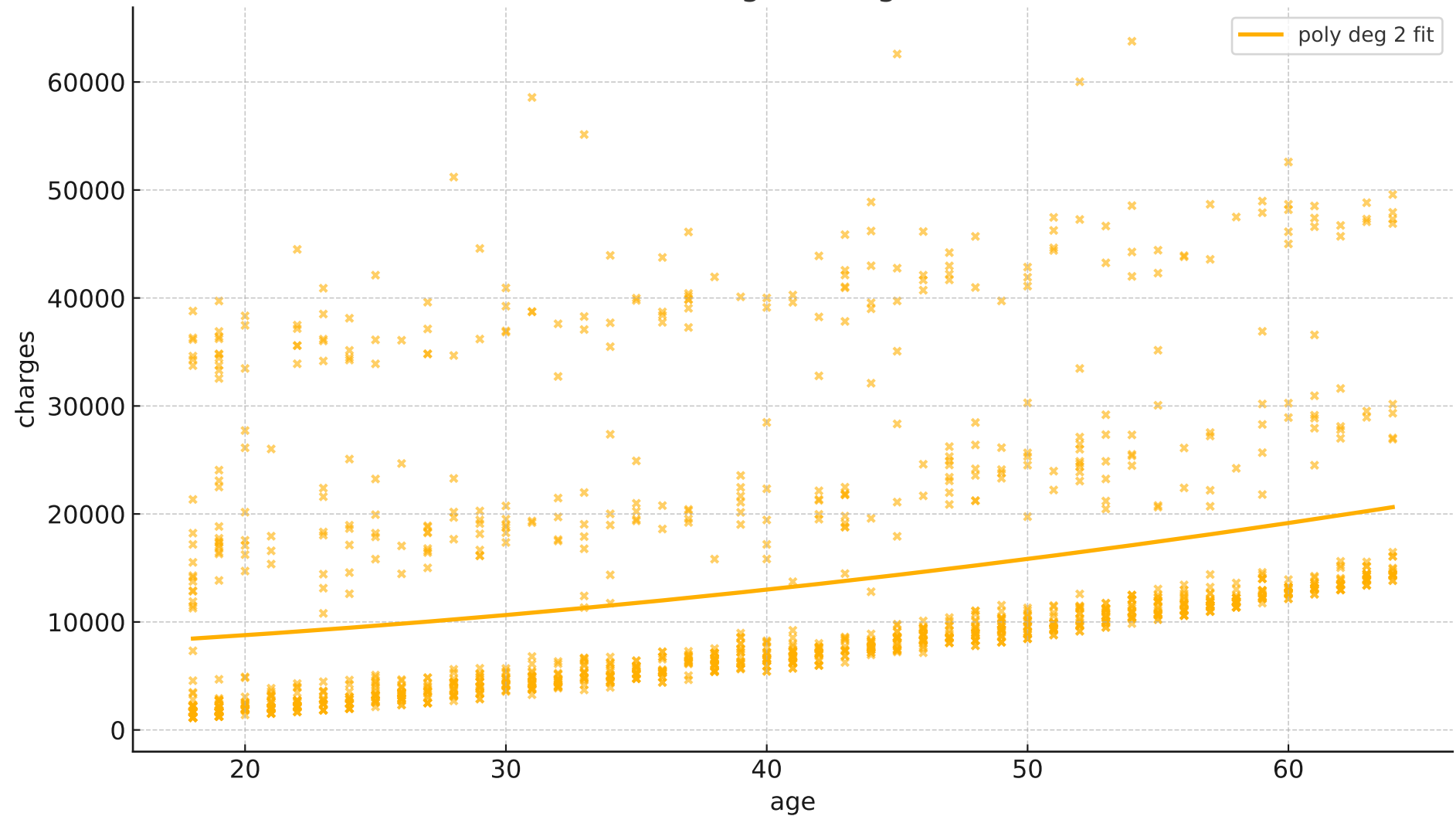Category distribution: region
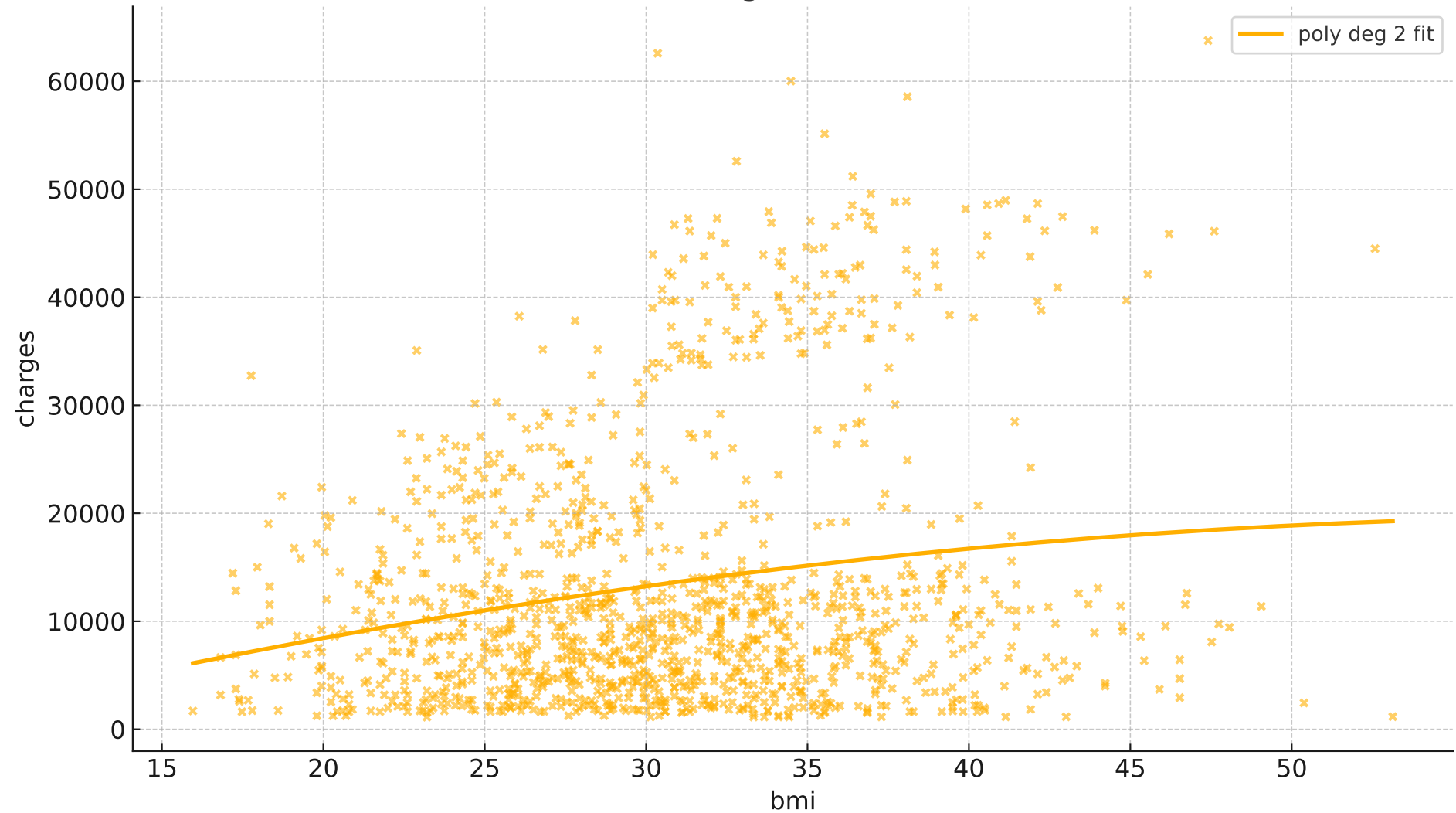
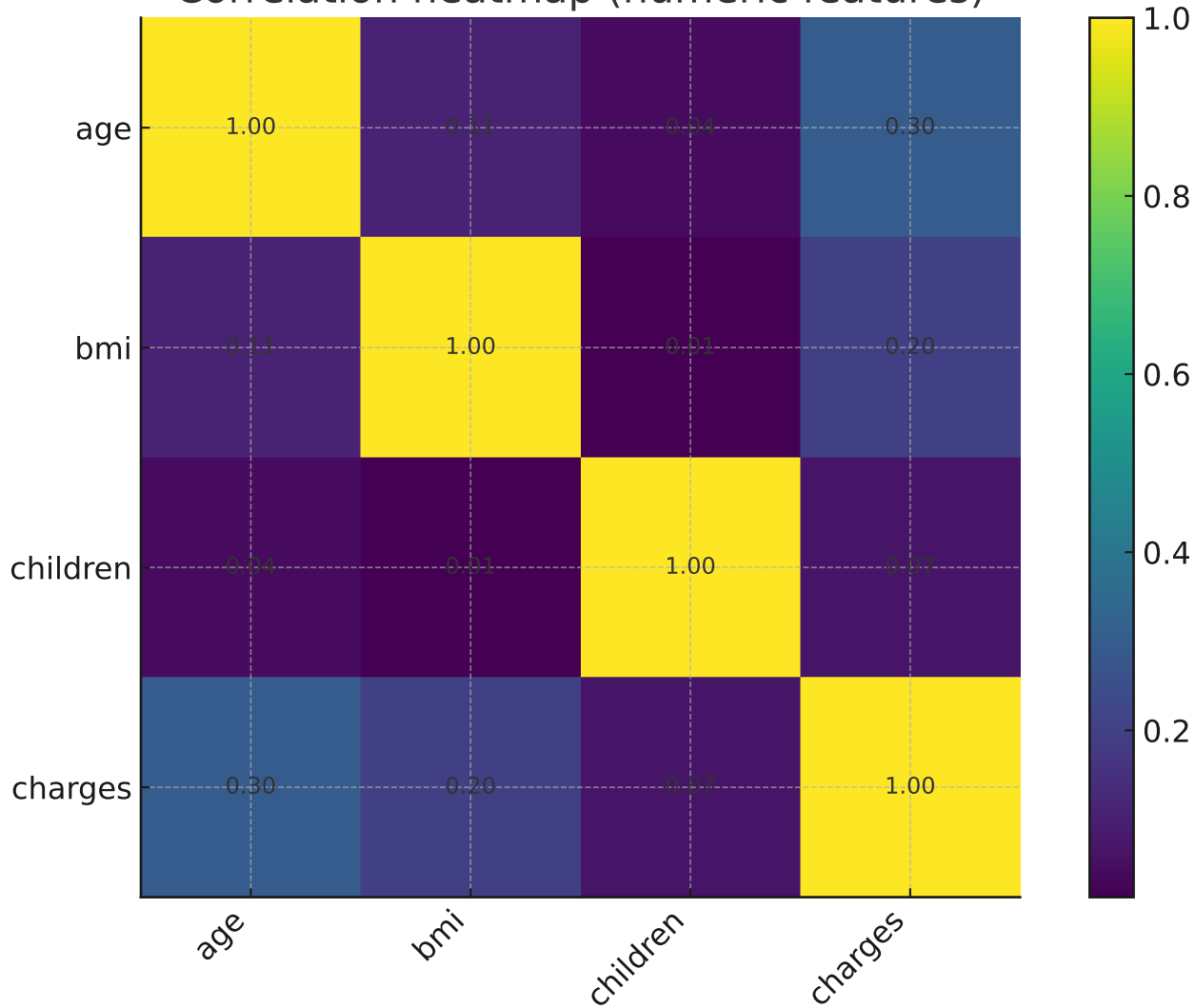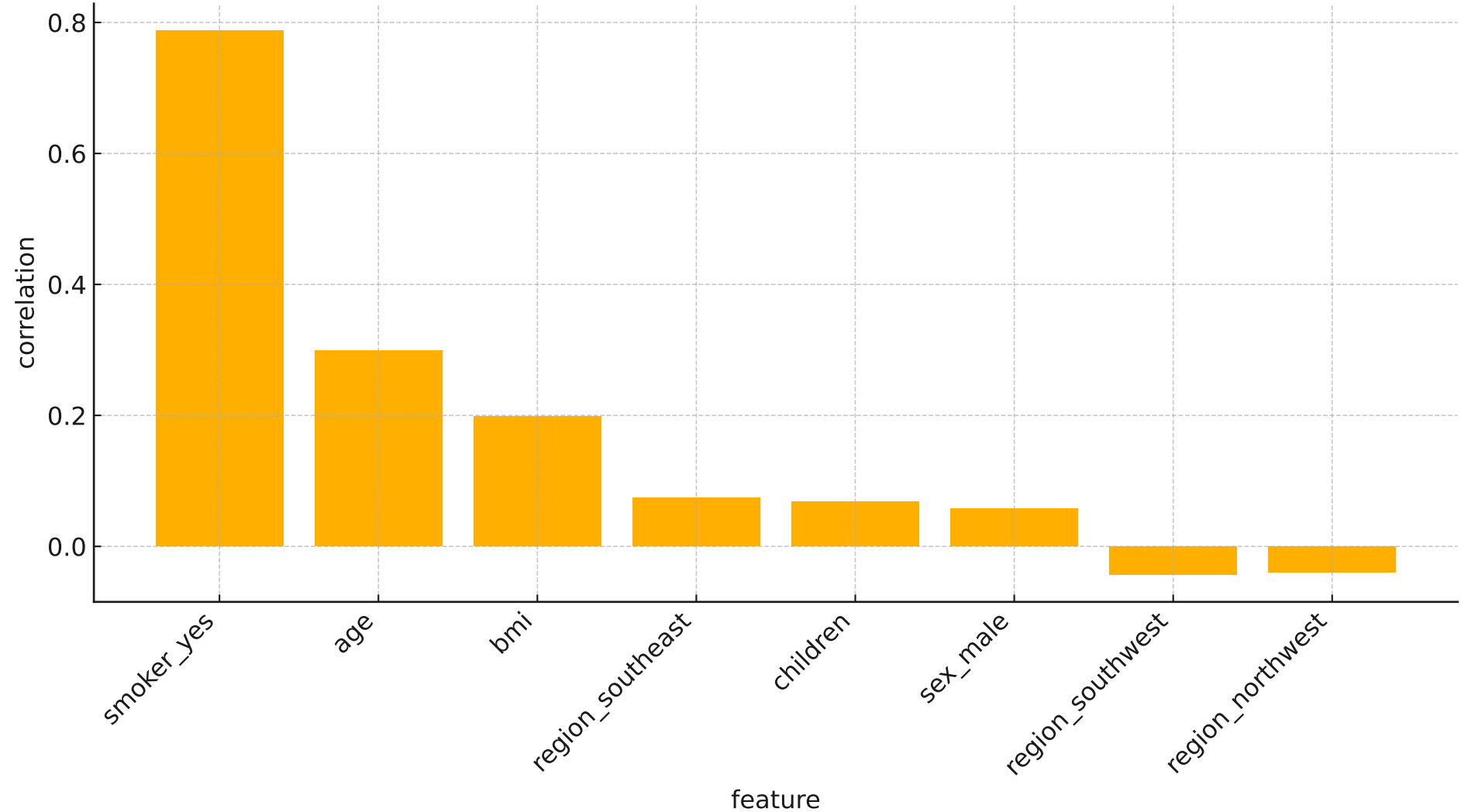Charges by smoker

Charges by sex

Charges by region

charges vs age

charges vs bmi

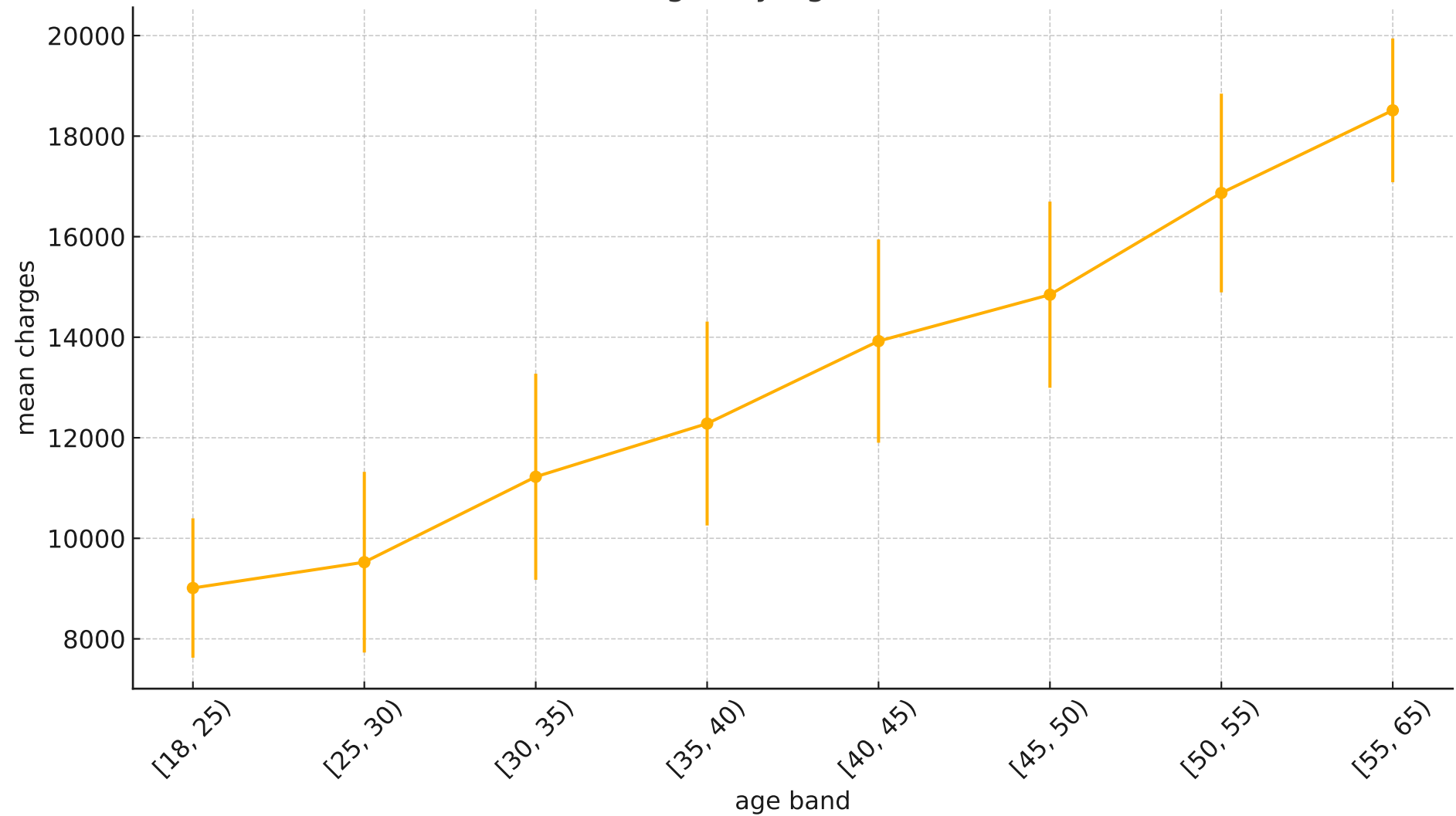Correlation heatmap (numeric features)

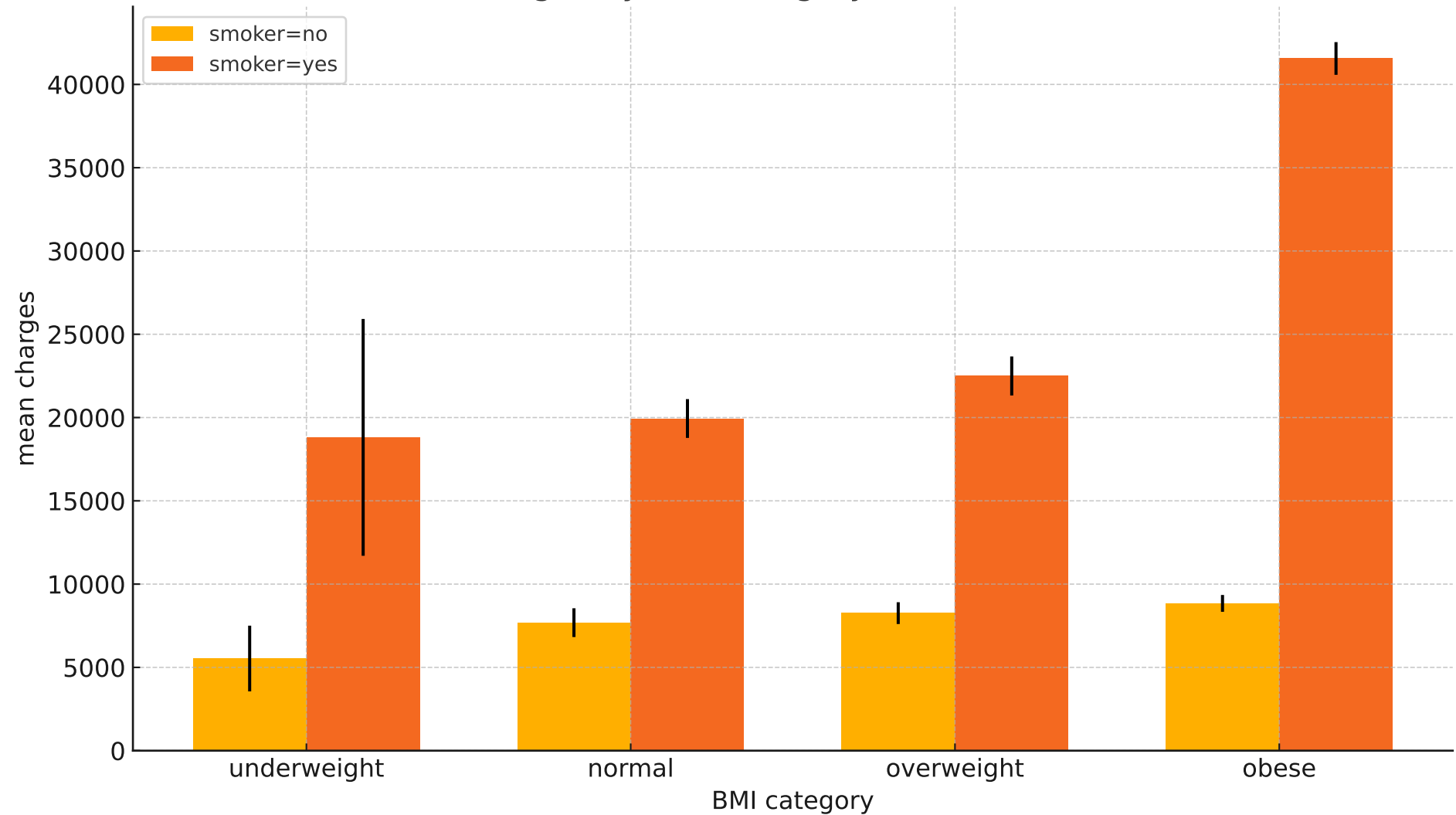|	age	bmi	children	charges
age	1.00	0.11	0.04	0.30
bmi	0.11	1.00	0.01	0.20
children	0.04	0.01	1.00	0.07
charges	0.30	0.20	0.07	1.00

Top feature correlations with charges (signed Pearson)

Mean charges by age band (95% CI)

Mean charges by BMI category and smoker (95% CI)

Charges distribution by smoker (violin)