



PLATEAU MEDICLAIM INSURANCE REPORT ANALYSIS

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#CODEPLATEAU 4.0



Leveraging customer information is of paramount importance for most businesses. In the case of Medclaim insurance company, the attributes of customers can be crucial in making business decisions.



This report analysis focuses on the detailed information of Medclaim customer base, behaviors and relationships. Also providing observatory solutions.

STATEMENT OF PROBLEM

OBJECTIVES

Exploring the dataset and extracting insights

Prove(or disprove) that the medical claims made by the people who smoke are greater than those who don't?

Prove (or disprove) that the BMI of females is different from that of males.

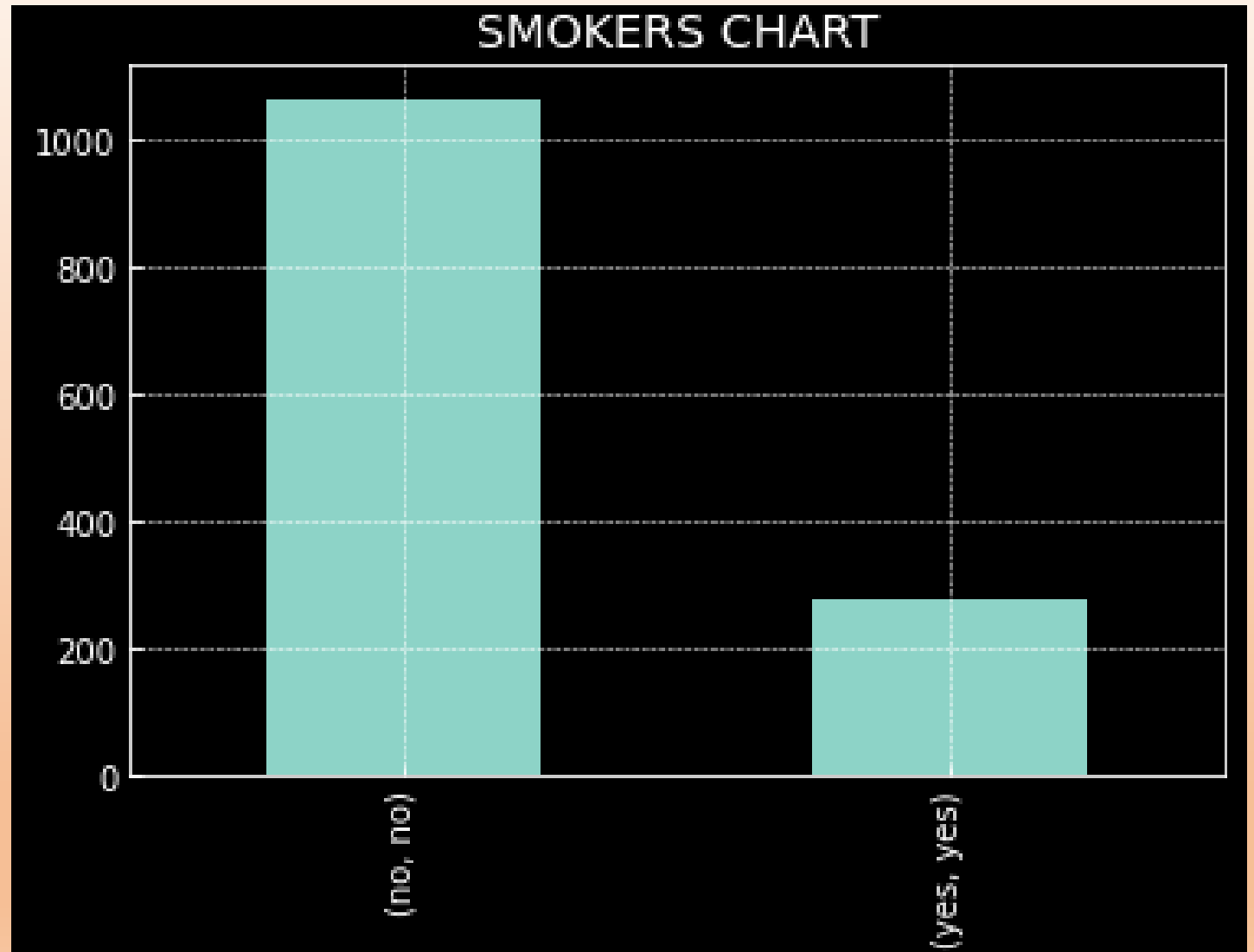
Does the smoking habit of customers depend on their region?

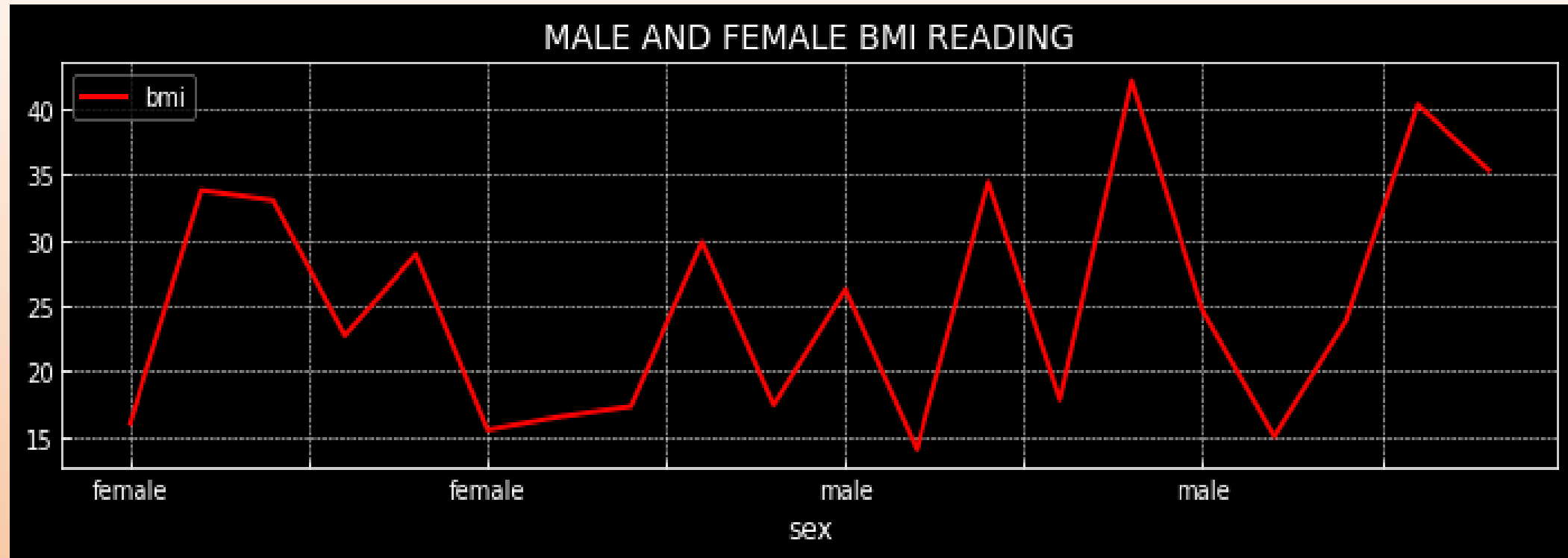
Knowing If the mean BMI of women with no children, one child, and two children the same.

INSURANCE DATA RECORD

	age	sex	bmi	children	smoker	region	charges
0	21	female	16.000	1	no	northeast	3167.45585
1	18	male	33.770	1	no	southeast	1725.55230
2	28	male	33.000	3	no	southeast	4449.46200
3	33	male	22.705	0	no	northwest	21984.47061
4	32	male	28.880	0	no	northwest	3866.85520

Smokers Chart to
Prove(or disprove)
that the medical
claims made by the
people who smoke
are greater than those
who don't?

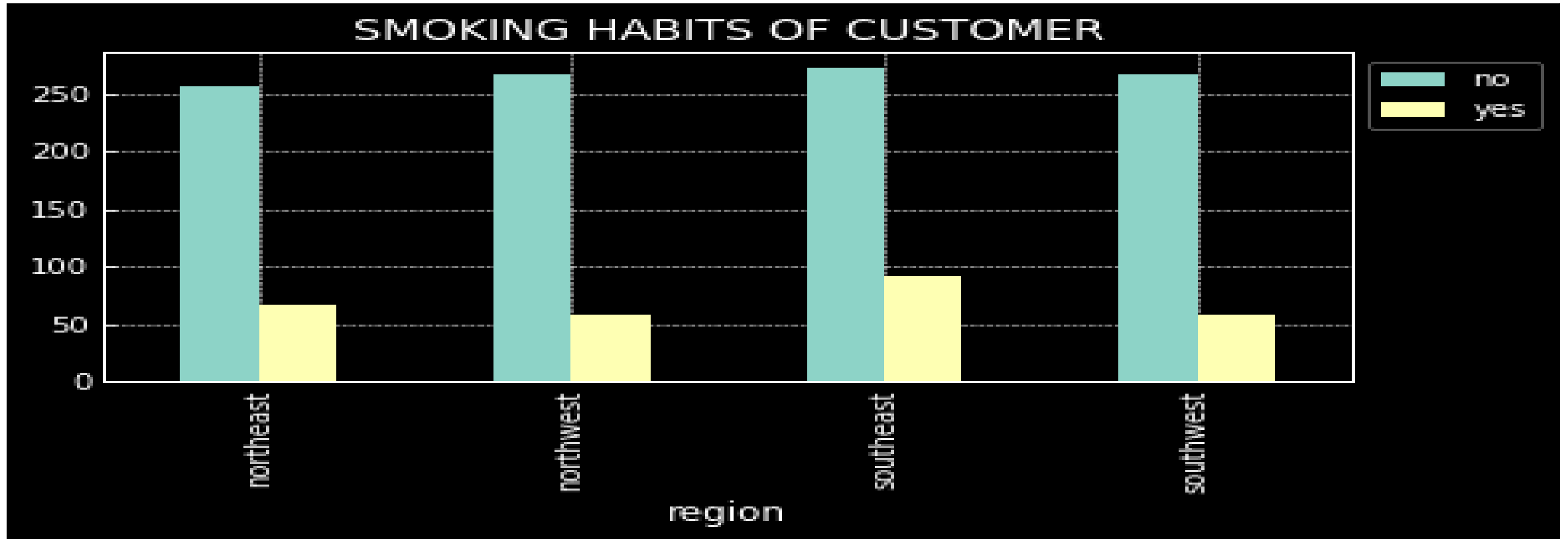




Visualization from the Dataset showing that the BMI of females is different from that of males.

Smoking Habits By Region

smoker	no	yes
region		
northeast	257	67
northwest	267	58
southeast	273	91
southwest	267	58



Visualization to show if the smoking habit of customers depends on their region.

Table Showing the mean BMI of women with no children, one child, and two children the same.

	SEX	BMI	CHILDREN
0	female	16.00	1
5	female	15.50	2
6	female	16.50	2
7	female	17.29	0
9	female	17.40	1
11	female	14.00	2
13	female	17.80	0
16	female	15.00	2
20	female	17.05	0

BMI to number of children

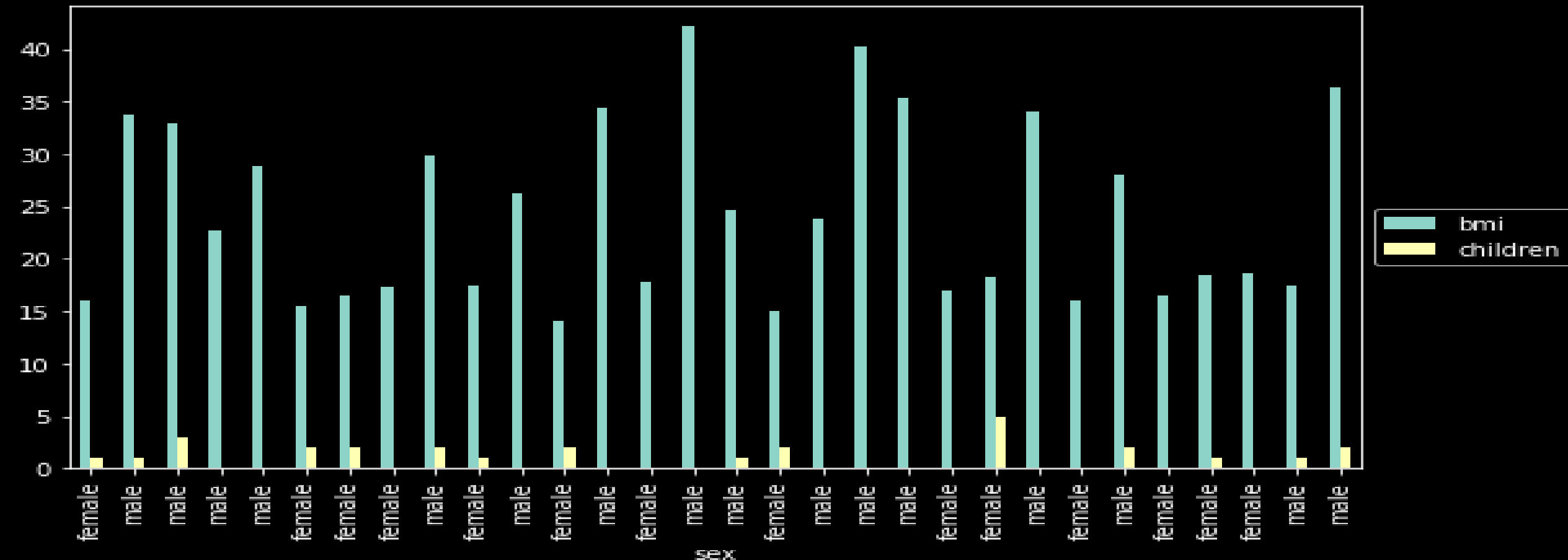


Chart showing sex and the
BMI to number of children



OBSERVATIONS

The number of no smokers(**1064**) is more than the number of smokers(**274**) in Plateau.

The report covers age from 18-64yrs with majority of the age population between 18 and 36yrs amounting to about 60% of the insurance coverage.

Majority of charges incurred falls within **1000 to 5000** with the least charge at 1121. And a total Insurance charges of **#17,755,824.99** in the period under review.

Observations Cont.

4. It's observed that those with 1 and 3 children are mostly no_smokers whereas those with 0 children take the lead as smokers identifying the effect smoking is causing the community in child reproduction.

5. It's also observed that those with 0 number of children and 2 numbers of children incur more Medicaid charges than the others
3. Total number of children covered is 1465



CONCLUSION

In Conclusion, it's observed from the multivariate analysis of all numerical values, that 0 number of children(meaning those without children) are heavily affected in insurance charges and age distributions features.

A wooden-framed letterboard with a black felt surface is centered on a rustic wooden table. The words "Thank You" are written in white, serif letter tiles. In the bottom-left corner, a portion of a vintage orange rotary telephone is visible. In the top-right corner, a green leafy plant and a portion of a typewriter are visible.

Thank
You