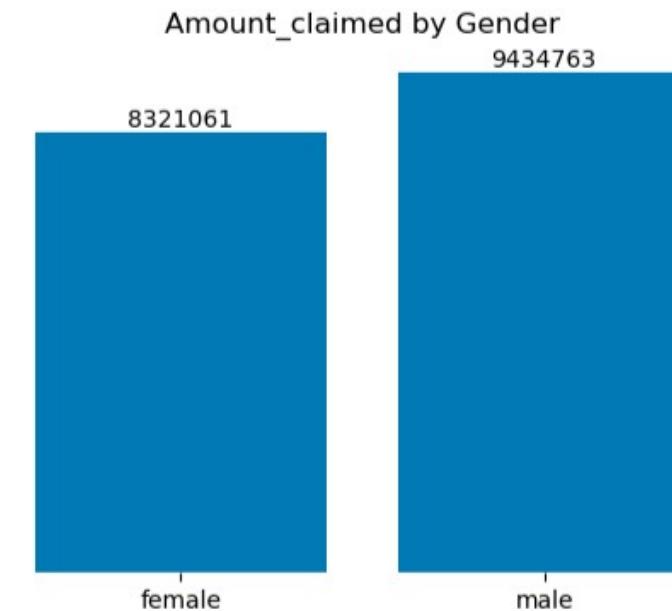
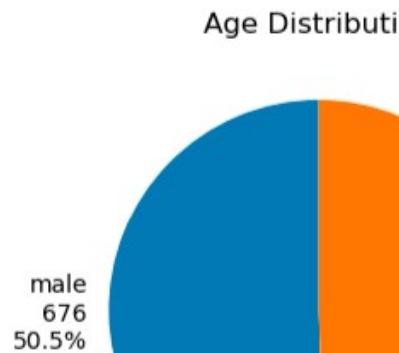


Analysis

1. Does the gender of the person matter for the company as a constraint for extending policies?

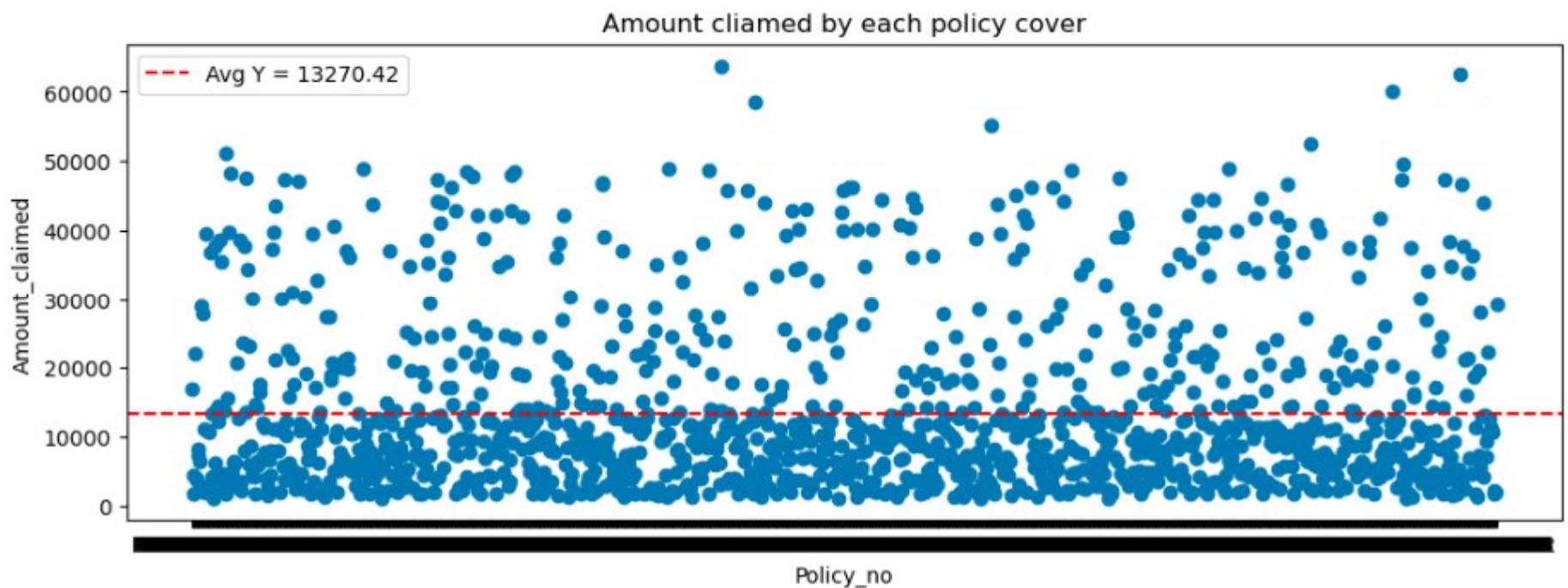


Out of total data we have 14 males more than female, but coming to amount claimed Rs.11,13,703 is claimed more than females

Avg. cost per female = Rs.12,570

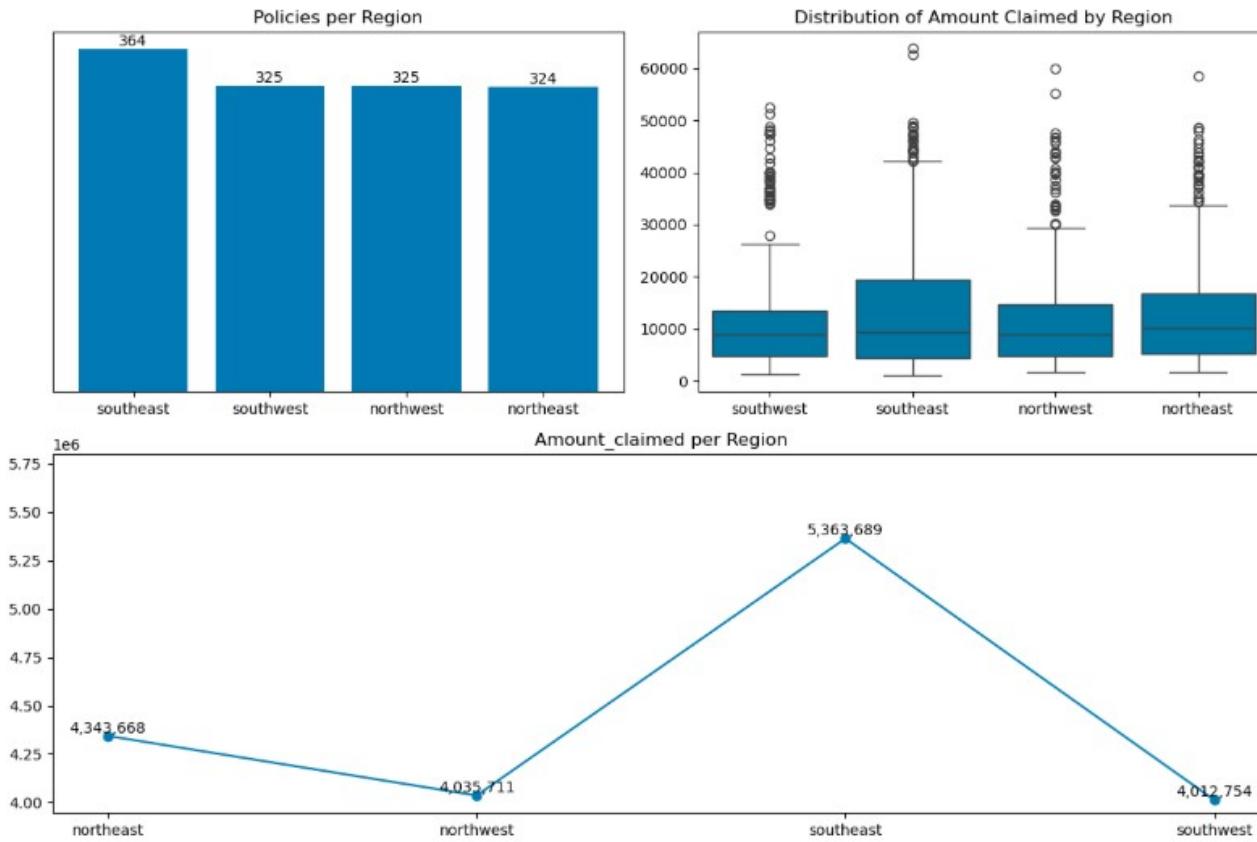
Avg. cost per male = Rs.13,957

2. What is the average amount of money the company spent over each policy cover?



Rs. 13,270 .42 is the average amount of money spent by the company over each policy cover

3. Could you advice if the company needs to offer separate policies based upon the geographic location of the person?



Average cost per North_East Region : Rs.13407

Average cost North_West Region : Rs.12418

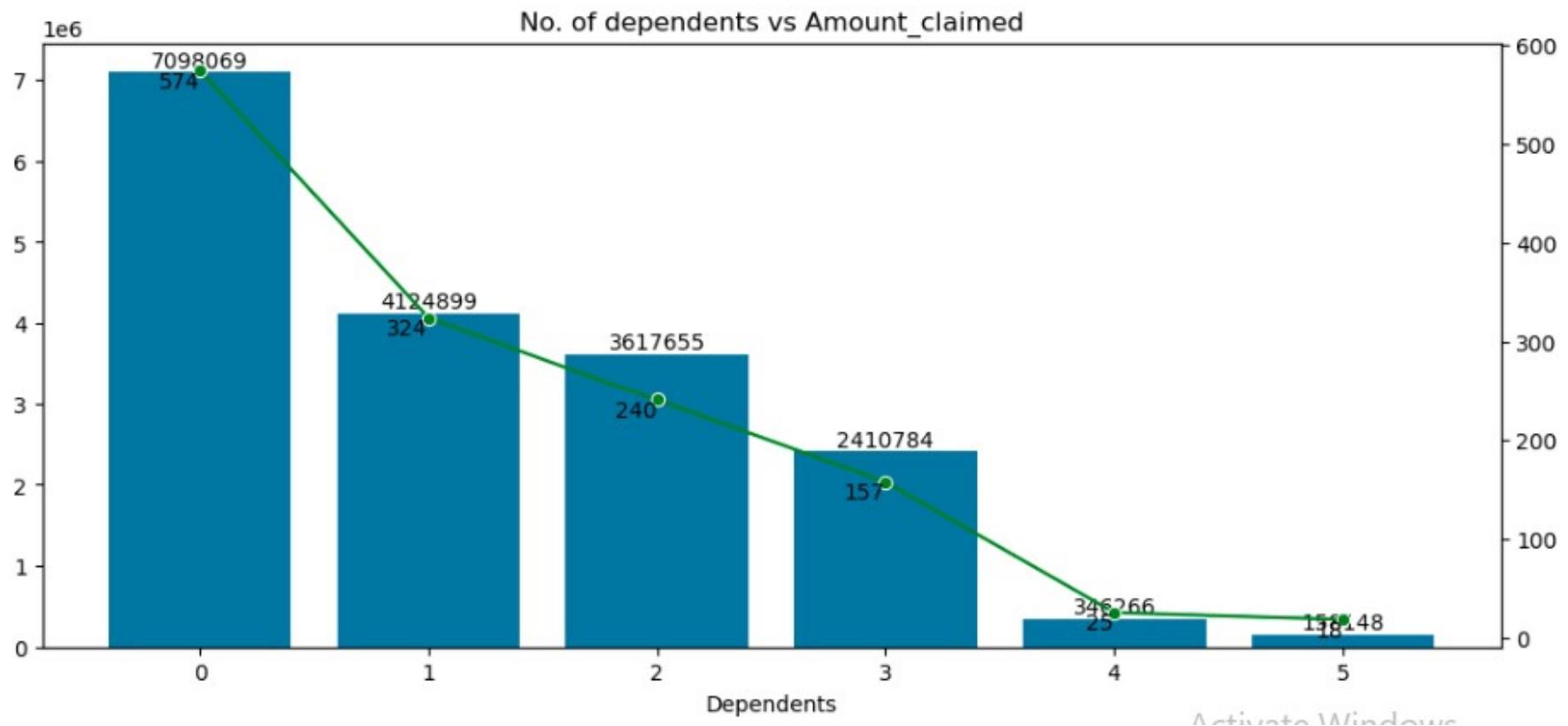
Average cost per South_East Region : Rs.14736

Average cost South_West Region : Rs.12347

North_East Region and South_East Region : are

incurring more cost

4. Does the no. of dependents make a difference in the amount claimed?



Average cost per 0 dependents : Rs.12366

Average cost per 1 dependent : Rs.12732

Average cost per 2 dependents : Rs.15074

Average cost per 3 dependents : Rs.15356

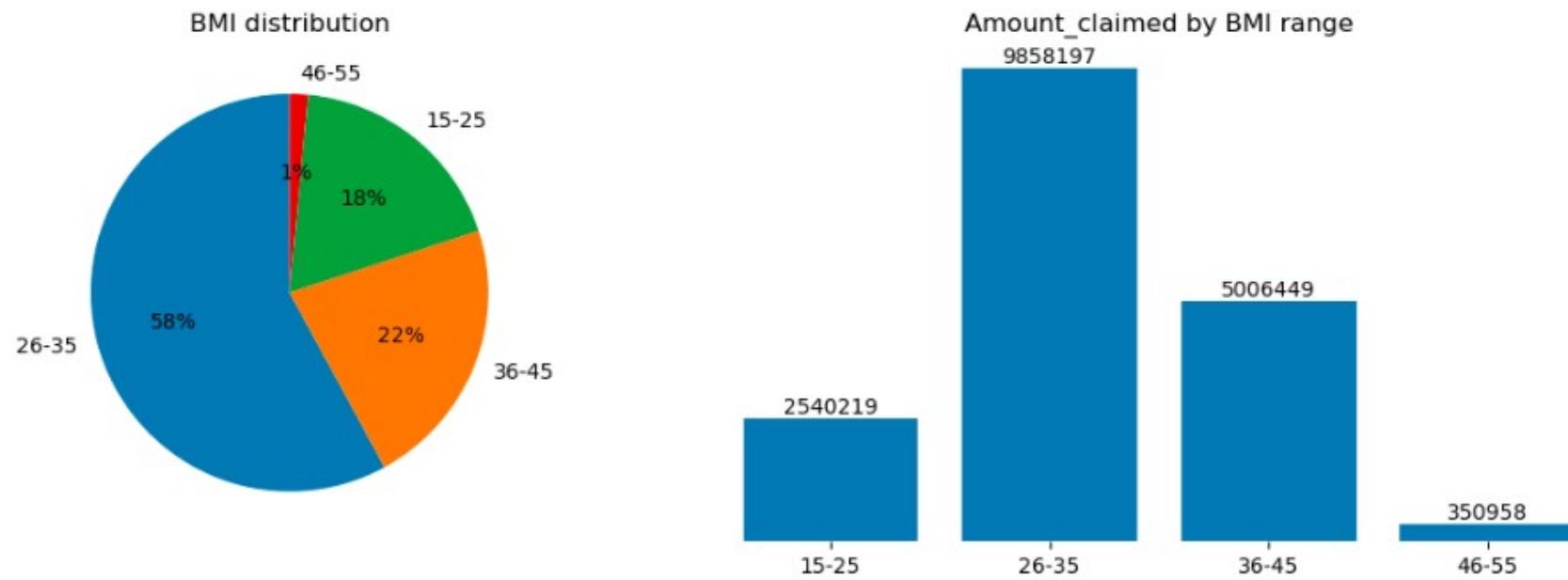
Average cost per 4 dependents : Rs.13851

Average cost per 5 dependents : Rs.8787

Avg. cost for 2,3,4 dependents is high than avg. amount per policy

Avg. cost of persons with 5 dependents is very low compared 0,1 dependents

5. Does a study of persons BMI get the company any idea for the insurance claim that it would extend?



Average cost per BMI_range 15-25 : Rs.10285

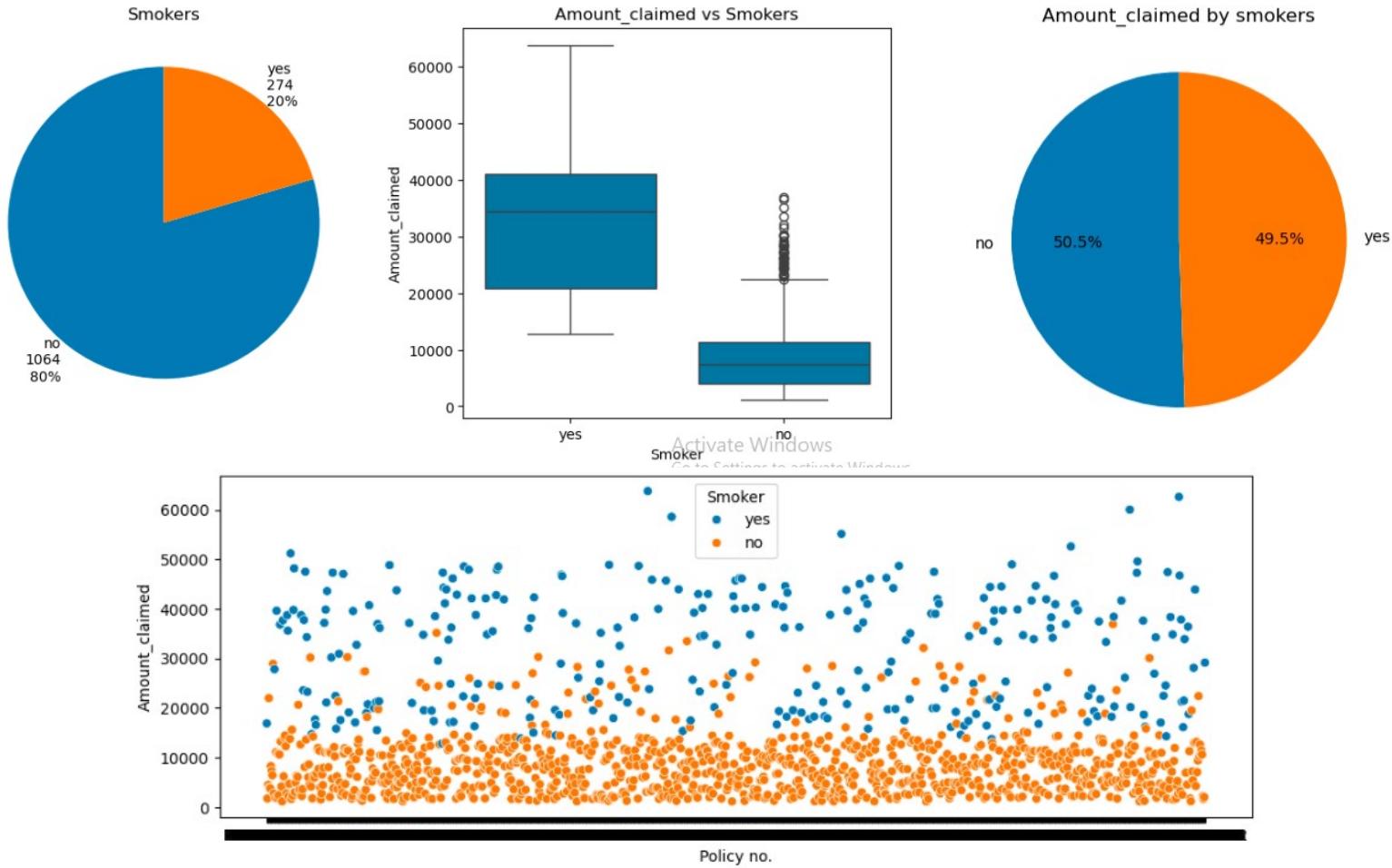
Average cost BMI_range 26-35 : Rs.12721

Average cost per BMI_range 36-45 : Rs.16914

Average cost BMI_range 46-55 : Rs.17548

Persons with BMI >35 are incurring more cost i.e., more than avg. cost per policy, try to increase premium cost for those who has BMI >35

6. Is it needed for the company to understand whether the person covered is a smoker or a non-smoker?

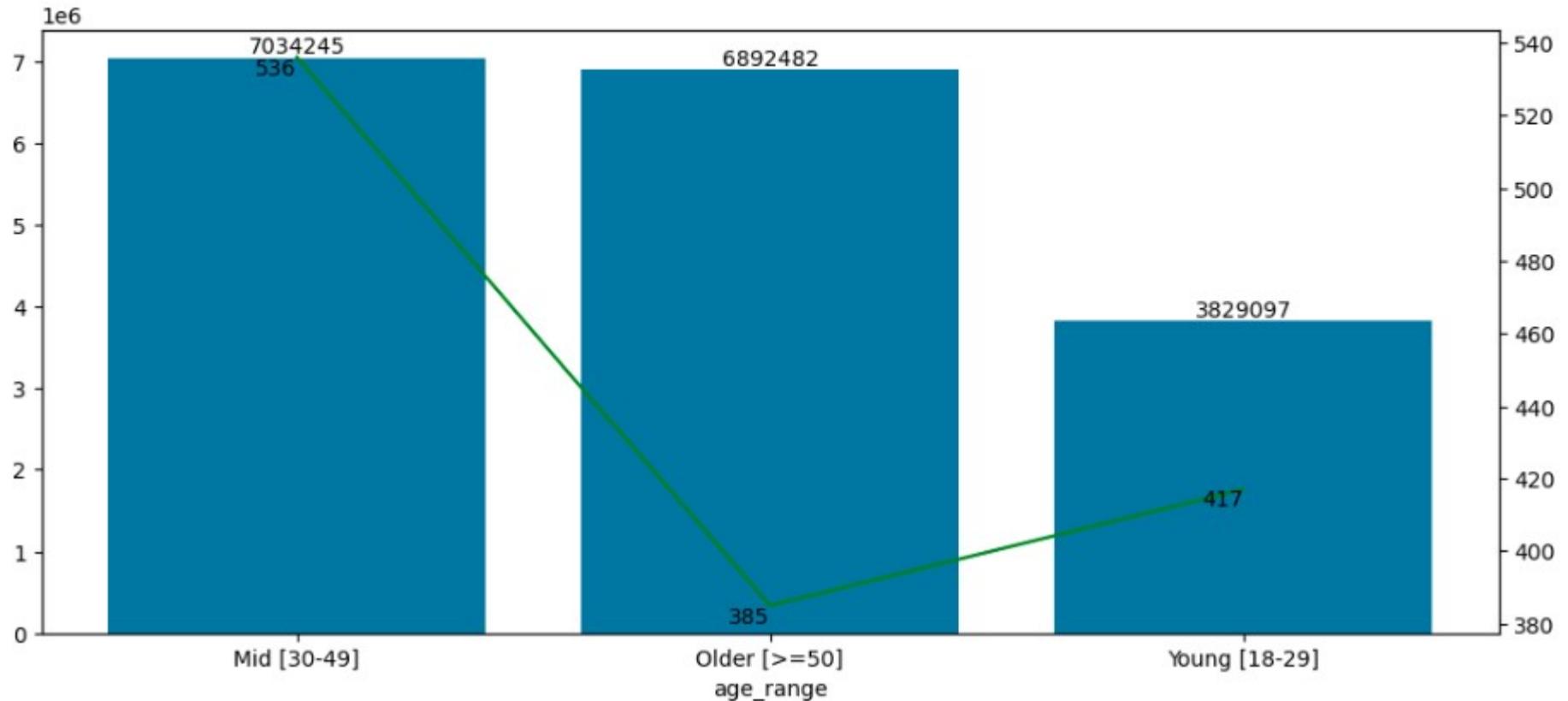


Though smokers contribute to only 20% of policies provided, they claim almost 50% of the amount provided by company to overall policy holders

Average cost per Smoker : Rs.32051 which is 242% more than the total avg. cost

Average cost per Non-smoker : Rs.8435

7. Does age have any barrier on the insurance claimed?



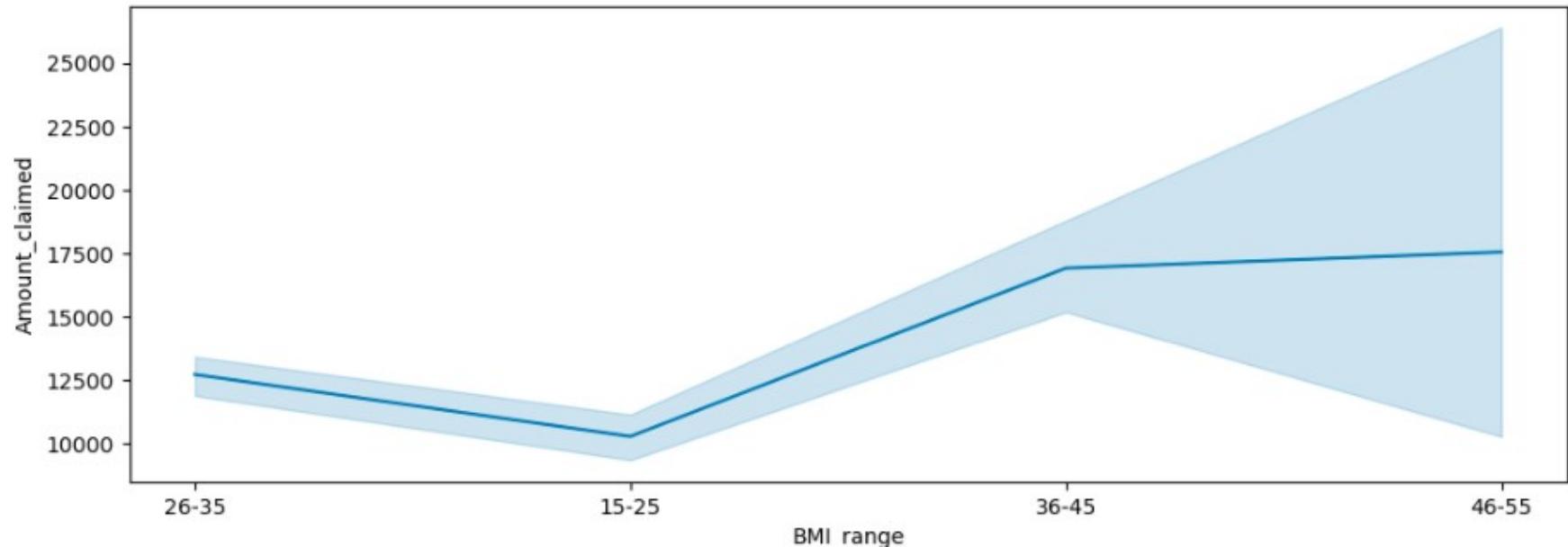
Average cost per Age_group 18-29 : Rs.9183

Average cost per Age_group 30-49 : Rs.13124

Average cost per Age_group >50 : Rs.17903

Most of the cost is incurred by persons with age group >50 , We can see the average cost for persons with age > 50 is 35% more than the avg. cost per person

8. Can the company extend certain discounts after checking the health status (BMI) in this case?



We can see the trend like as the BMI increases the cost for the company increases

Persons with BMI <35 are incurring less cost i.e., less than avg. cost per policy, try to give discounts for those who has BMI <35

Suggestions

Try to increase premium

- **Age:** >50
- **BMI:** >35
- **Dependents:** 2,3,4
- **Smokers:** Yes (Costs 242% more than the total avg. cost per policy)
- **Region:** Northeast and Southeast Regions
- **Gender:** Males (accounted for 53.14% of Sum of charges in INR.)

Pricing:

Try to increase premium based on the percentage increase in total average cost per policy and give discounts to those whose average cost less than total average per policy