

DATA FOR SOCIAL GOOD - HACKATON

TEAM : THE VARIANTS



T S I C

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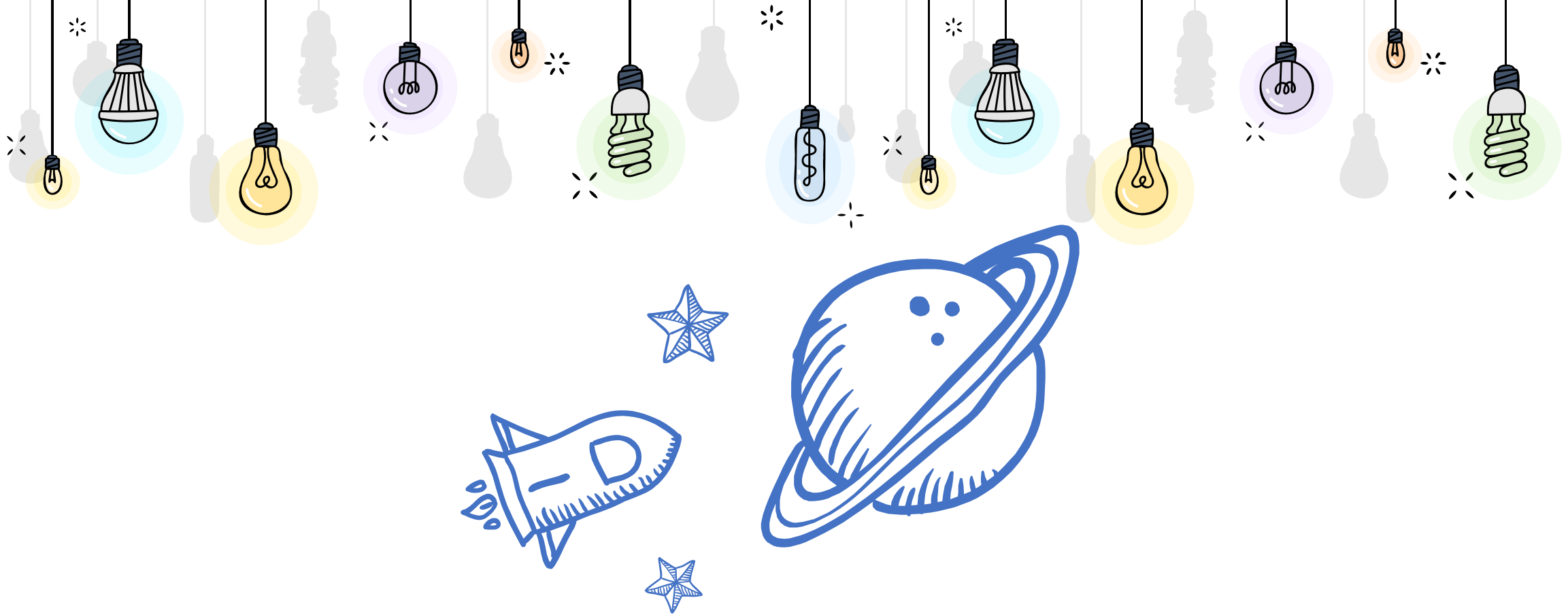


Gokaraju Rangaraju Institute of Engineering & Technology

TEAM: The Variants

TEAM MEMBERS:

G Hemanth sai
G Sri Krishna Kireeti
T Sai gopi
Ch Sai charan



SDC 3 : GOOD HEALTH AND WELL BEING

Tobacco use and alcohol consumption among Adults(age 15 years and above)

INTRODUCTION:

Alcohol and tobacco use is becoming more common every day in our society. Tobacco can forever damage a person's internal organs, while alcohol can cause major damage to a person's body as well as the people surrounding him/her. Although the public knows about the negative effects of these products, people still continue to use the substances without thinking twice.

Smoking is a greater cause of death and disability than any single disease. It is responsible for about 3.5 million deaths worldwide every year - or about 7% of all deaths. Women who smoke increase fatality risk by nearly 12 times. Lung cancer is difficult to treat - long-term survival rates are poor. Smoking also increases the risk of oral, uterine, liver, kidney, bladder, stomach, and cervical cancers, and leukemia. Another health problem associated with tobacco is emphysema, which, when combined with chronic bronchitis, produces chronic obstructive pulmonary disease.

Alcohol is highly toxic to almost every organ in the body but when alcohol is taken in allowed limits amounts it is detoxified by the liver and therefore does little or no harm to the body. Alcohol can cause cancer, liver disease, heart attacks, and brain damage, to mention a few. Alcohol and tobacco use does not only affect youth especially students' health-wise it also affects their academic performance, but it also affects them financially, psychologically, physically, and ultimately students may suffer some legal consequences.

In this study we look at; level of consumption of alcohol and tobacco in different areas of Telangana state; shown the ratio of alcohol and tobacco intake by males and females above 15 years at different regions and finally the areas where GOVT should take measures to control the alcoholic dependence of people.

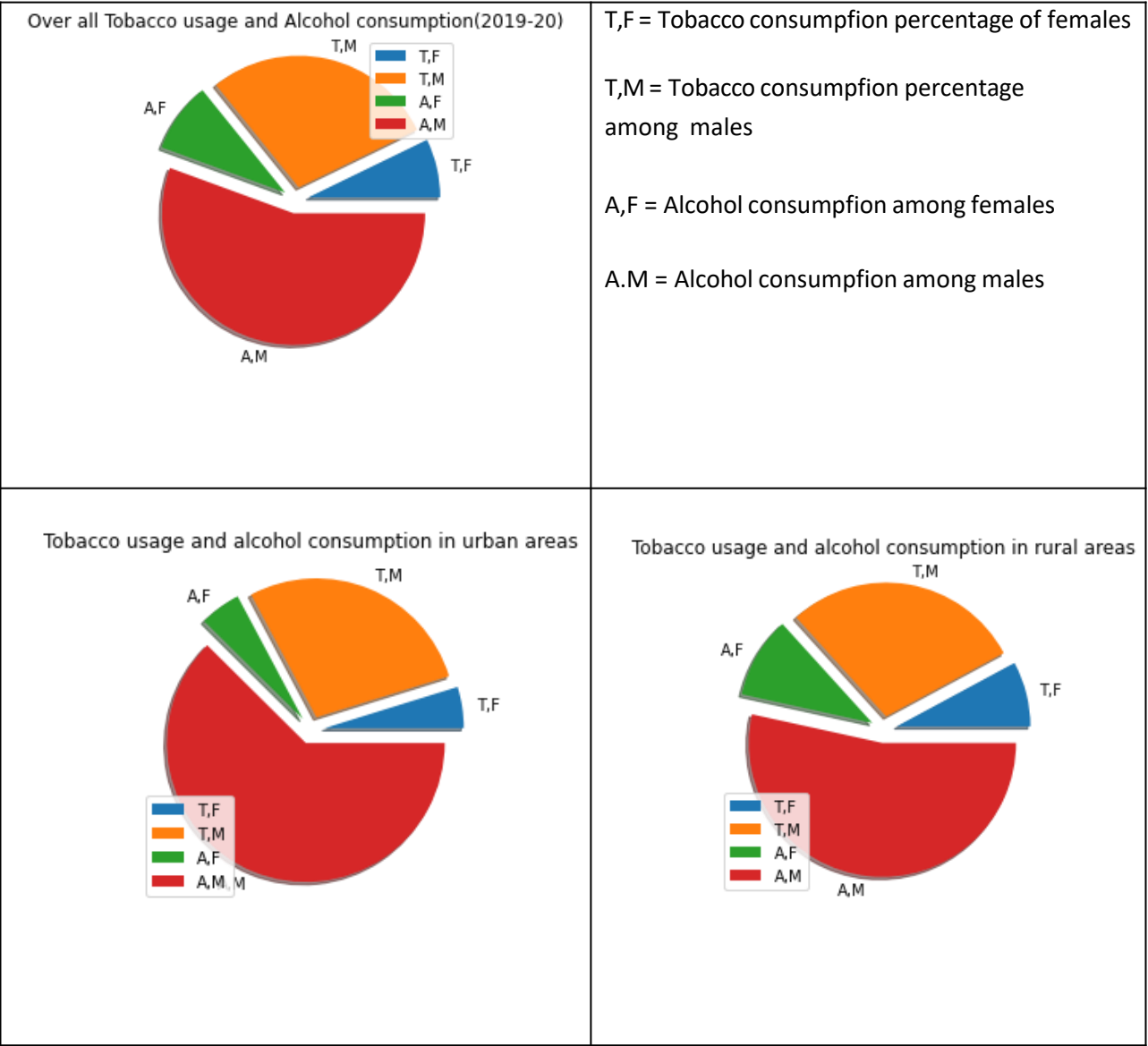
PROMPT:

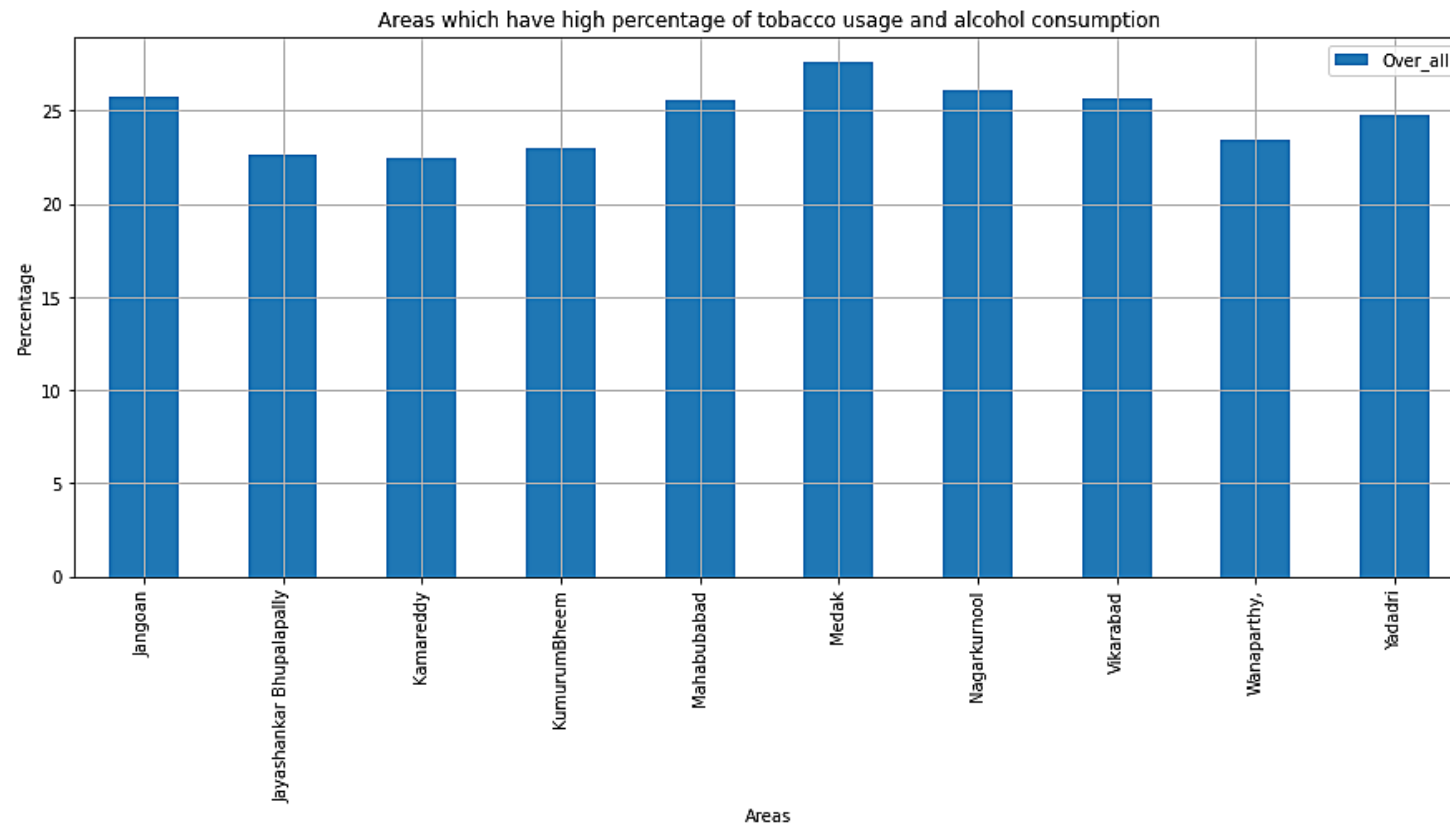
Analysis of Tobacco Use and Alcohol Consumption among Adults in Telangana (age 15 years and above).

Dataset:

We've used NFHS.xlsm dataset.

1. Pie chart representation of Percentage of Tobacco usage and alcohol consumption by males and females form 2019-20 in Telangana.





- Based on analysis, these are the top ten areas where overall consumption of both tobacco and alcohol is high.

Medak : 27.6,

Nagarkurnool : 26.075

Jangoan : 25.775

Vikarabad : 25.625

Mahabubabad : 25.549

Yadadri : 24.775

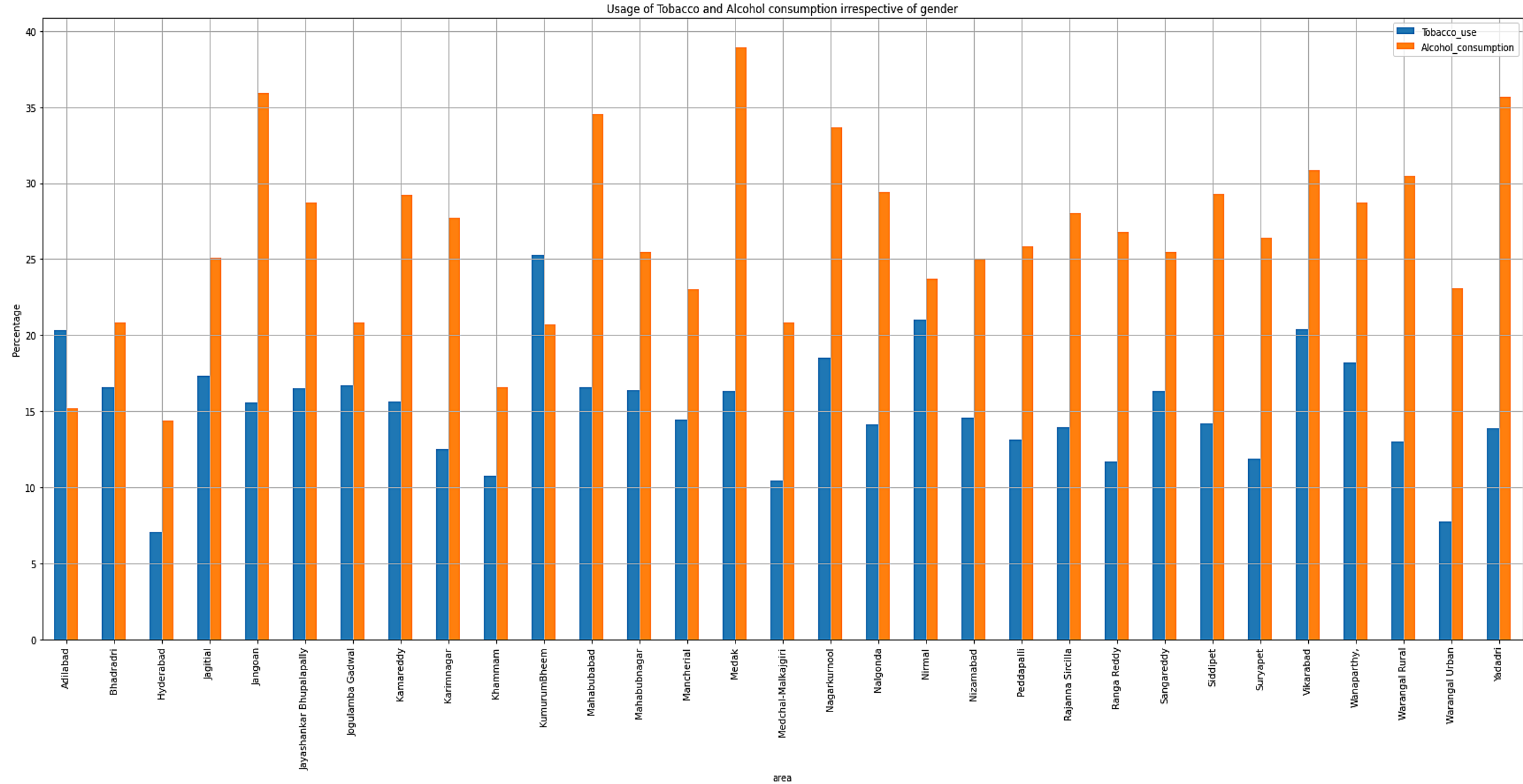
Wanaparthy : 23.45

KumurumBheem : 22.975

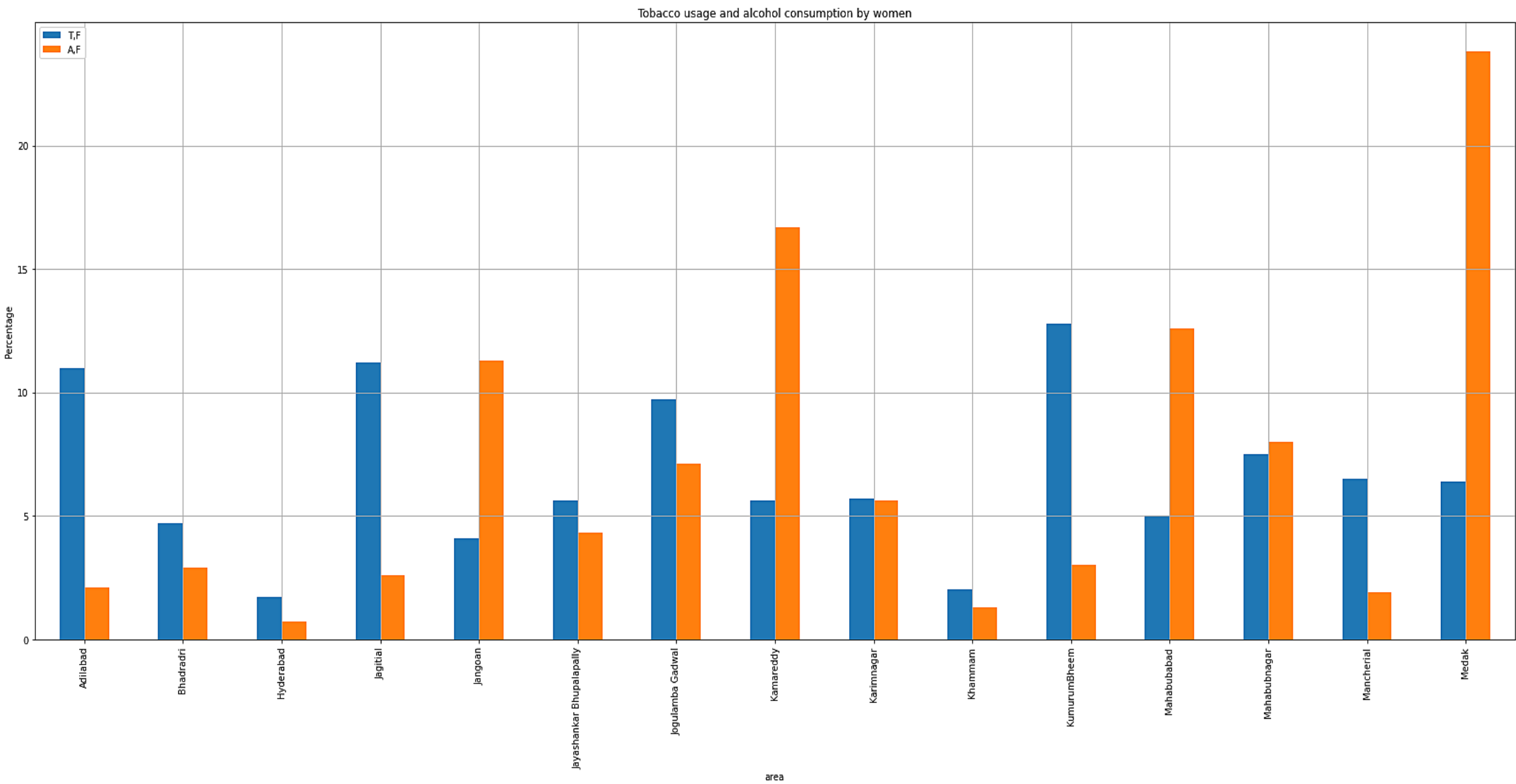
Jayashankar Bhupalapally : 22.6

Kamareddy : 22.45

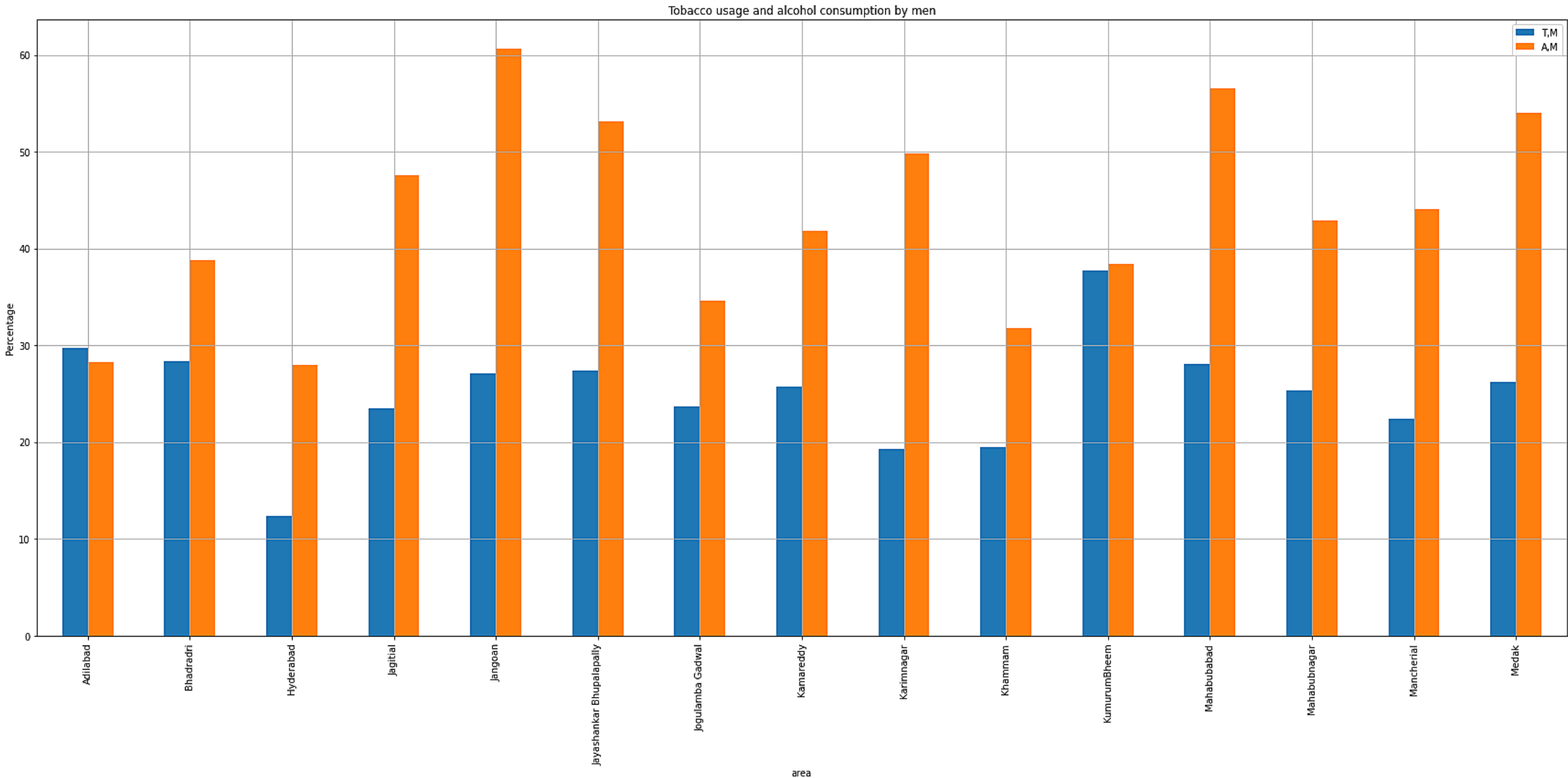
3. Usage of Tobacco and Alcohol consumption irrespective of gender:



4.Tobacco usage and alcohol consumption by women

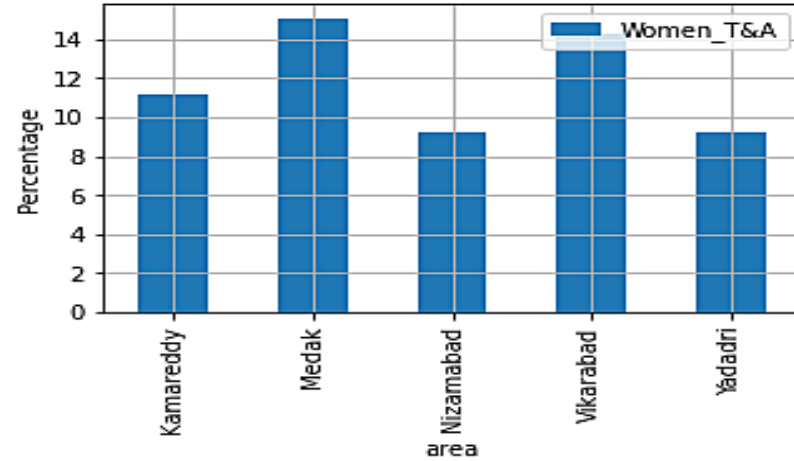


5.Tobacco usage and alcohol consumption by men



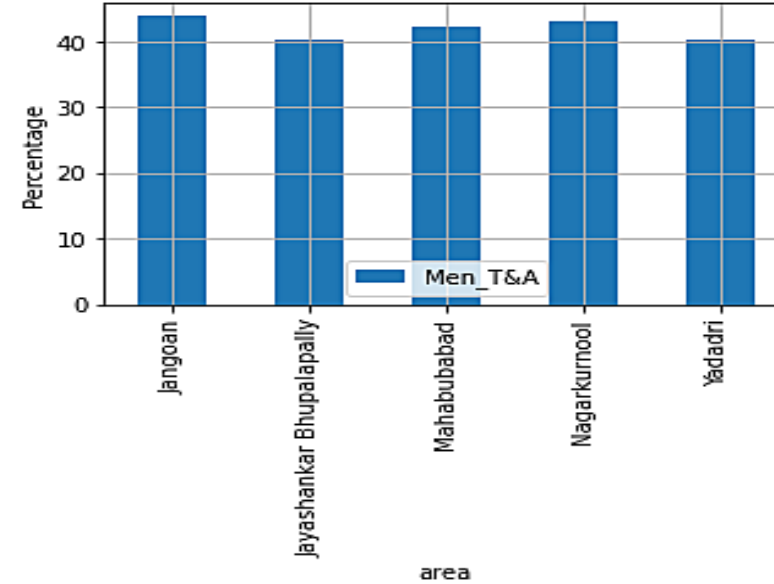
6. Men and Women among both tobacco usage & alcohol consumption:

Top 5 areas based on women tobacco usage and alcohol consumption



Top 5 areas where Women's Tobacco and Alcohol consumption percentage is high.

Top 5 areas based on men tobacco usage and alcohol consumption



Top 5 areas where Men's Tobacco and Alcohol consumption percentage is high.

- Based on the analysis, there are so many areas where GOVT should take measures and control the alcoholic dependence and tobacco usage among people.

CONCLUSION:

This analysis gives a better data visualization on the percentage of Tobacco and Alcohol consumption. Based on our analysis, the first finding is that; In the places like Medak, Nagarkurnool, Kamareddy, etc., there is less control among people. GOVT should monitor and control the sales and quality of Tobacco and alcohol. People at those places should be educated about the harms and difficulties they will face by consuming them. Secondly, men are more addicted to them and women percentage is also considerable. This will also affect our future generations and finally the overall consumption rate is observed visually through the pie charts and bar graphs.

REFERENCES:

1. <https://docs.google.com/spreadsheets/d/1DeLYgfnVYtPrNa1nomVzjXHJeFlcz923/edit?usp=sharing&ouid=105336180941317630214&rtpof=true&sd=true>
2. <https://matplotlib.org/stable/contents.html>

**THANK
YOU**
