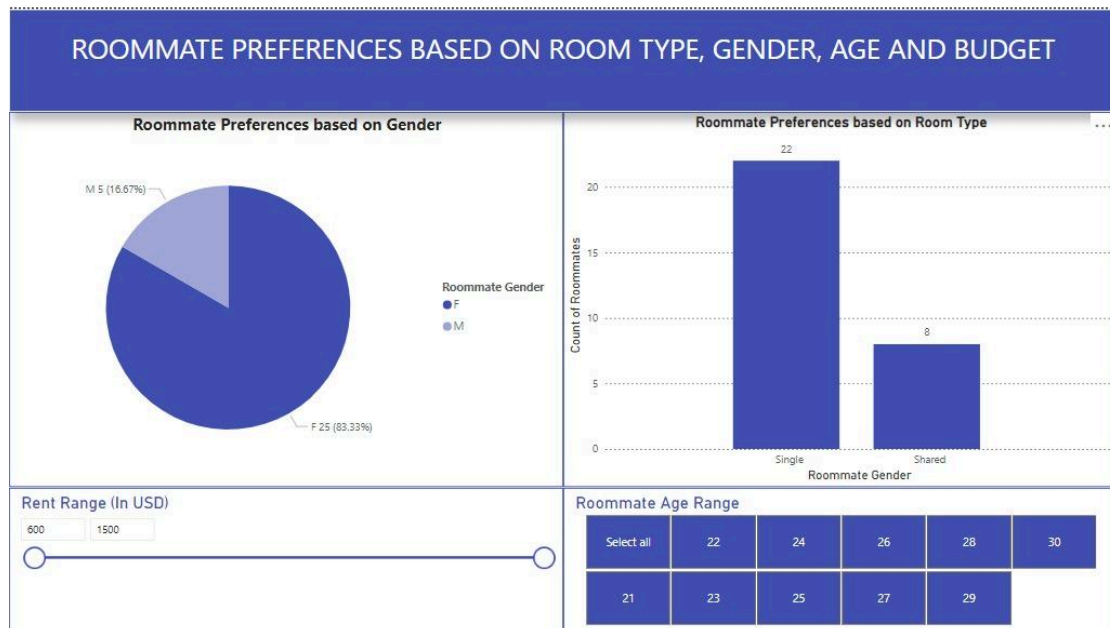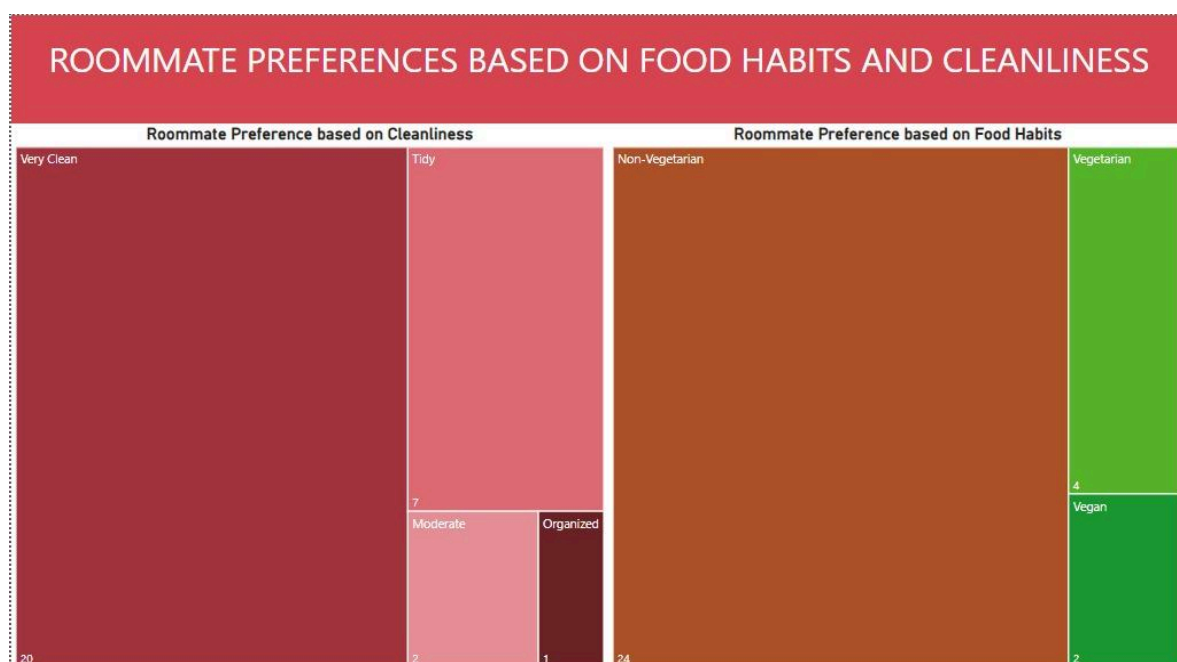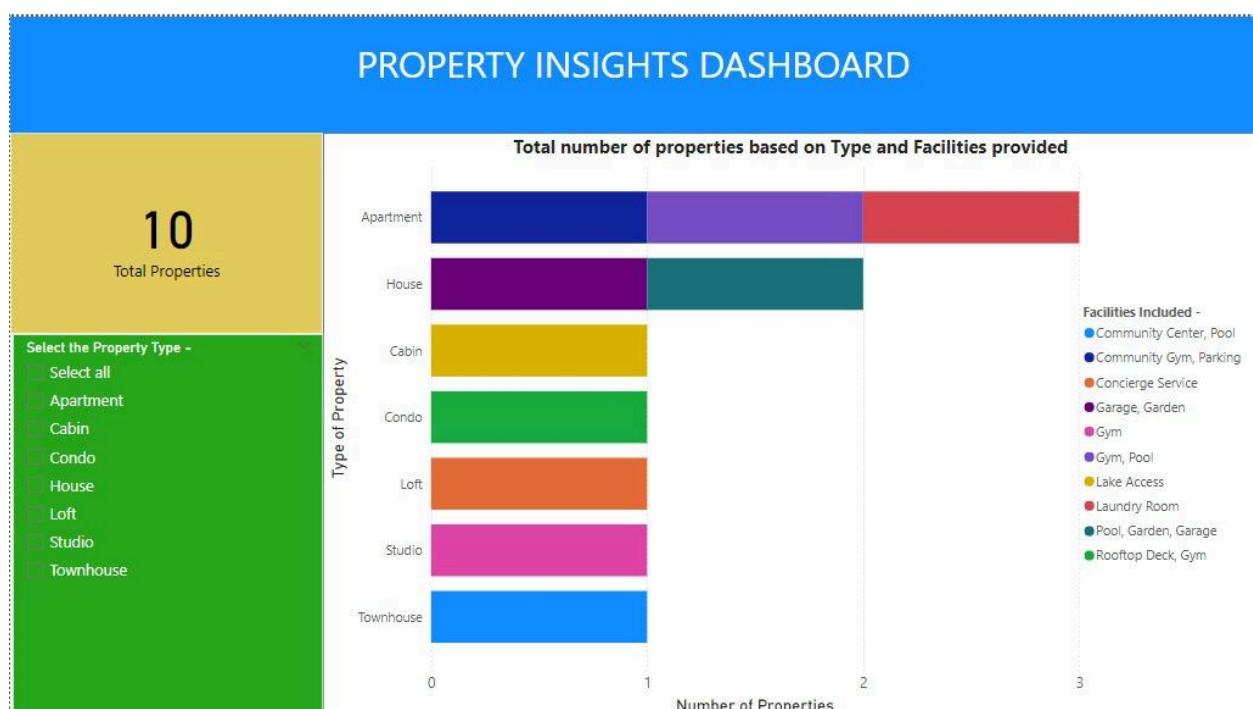# ROOM & MATES Data Visualization Report

From the above pie chart, it can be concluded that 83.33% of people prefer a female flatmate over a male flatmate. This preference could be influenced by various factors, such as perceptions of cleanliness, safety, compatibility, or comfort levels in shared living spaces.

As per the insights from the bar chart, Single room types are preferred over shared rooms, confirming a greater inclination toward privacy and personal space among individuals.

Most preference is naturally given to roommates that have mentioned 'Very Clean' as their cleanliness habit, with 'Tidy' being second favourite.

Most people prefer non-vegetarian roommates, likely reflecting a desire for compatibility in dietary habits within a shared living environment. This preference might stem from the practical challenges of accommodating different meal preparations, such as avoiding contamination of cooking utensils or maintaining separate storage spaces for vegetarian and non-vegetarian food items. Additionally, shared meals or cooking responsibilities can be more seamless when both individuals follow similar diets.

The horizontal bar graph gives insights regarding the number of properties available in the ROOM & MATES database based on the Property Type and Facilities provided in these properties. Filters for the Property Type are placed alongside the bar graph to look at properties with specific features. Different facilities available in these properties are shown using colour codes on the bar chart. The number of apartments available is higher, suggesting a greater supply of this type of housing compared to other options. This could be due to the popularity of apartments in urban areas, where they are often the most feasible and cost-effective form of housing for both renters and property developers.

Dashboard

A dashboard based on the different charts is created to provide a comprehensive and interactive visualization of key insights, enabling users to analyze preferences, trends, and availability related to housing choices. This dashboard serves as a centralized tool for understanding data such as roommate preferences, room types, dietary compatibility, and apartment availability, allowing stakeholders to make informed decisions efficiently.