

### Q3 – Data Science work prompt

Following an analysis of the local food truck data set obtained using the Google Maps API, the following conclusions and insights may be made:

**Diversity in Cuisine:** The data shows that there is a wide range of cuisines represented in food truck services. Xterns have a broad variety of culinary alternatives to pick from, catering to varied tastes and preferences, ranging from Mexican and Asian to BBQ and gourmet burgers.

**Rating Variation:** Food trucks in the dataset display a range of ratings, which reflects the varying quality and ubiquity of these operations. With this variation, Xterns can select their preferred dining experience, whether they prefer highly rated selections or are willing to explore less well-known ones.

**Operating Hours Flexibility:** The dataset contains details about the hours that food trucks are open. While some food trucks primarily serve lunch and dinner, some also serve morning. This adaptability guarantees that Xterns can organize their trips according to their schedules and preferences.

**Online Presence:** Many of the food trucks in the sample have websites with contact information. Before visiting, Xterns can research menus, read reviews, and get extra details about the food truck thanks to this internet presence. With its accessibility and transparency, it improves the overall dining experience.

In conclusion, the data set offers useful insights into Indiana's local food truck scene, giving a wide range of culinary alternatives, a variety of customer reviews, flexible business hours, and internet resources for researching options. As Xterns learn more about the state's food truck culture, these conclusions will aid them in making educated judgments about their culinary explorations and improve their entire experience.

The data visualizations in the code give a complete picture of the information and shed light on local food trucks' gastronomic variety, rating distribution, hours of operation, and online accessibility. During their tour of Indiana's food truck culture, Xterns can utilize this knowledge to plan their culinary experiences and make educated eating decisions.