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Matplotlib Homework – Observations

1. An interesting observation from the data tells us that Urban cities have the most rides given on any given day but also have the lowest fare on average. This observation can be derived fairly easily from the bubble plot and also points out that, not surprisingly, rural cities tend to have the highest fares on average due in part to the fact that drivers have to travel farther distances then drivers in areas which are more densely populated
2. According to the data, there seems to be a correlation between the average fare in a given city type and the number of rides given in that city. In Urban areas, there are more Pyber drivers, which seems to drive down the average fare rate in those cities. The inverse is true in rural and suburban areas which do not have nearly as many Pyber drivers but have noticeably higher average fare rates.
3. Urban areas account for almost 80% of all the drivers of Pyber as well as almost 70% of all rides given.