1. Use the attached dataset to create a k nearest neighbors’ classifier. The dataset contains information about mobile phones. The target column is **price range**. It contains categories of prices 0 to 3 (not actual prices), where 0 is least expensive and 3 is most expensive.
2. Inspect the data and plot one or two visualizations.
3. Try different numbers of neighbors and pick the optimal value in the range 1 to 100, inclusive.
4. Evaluate your classifier's performance and write a short conclusion about this performance with respect to overfitting, underfitting or generalization.
5. If you are working in a team, include the names of all team members at the top of the notebook. A team should have no more than three people. Team members will be asked to explain randomly selected parts of the notebook.
6. Submit the notebook on Blackboard.