

# Machine Learning Exercise - 1

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## 1 Task-1

| Handling Missing data |       |           |           |
|-----------------------|-------|-----------|-----------|
| ID                    | Age   | Income(k) | Owns Cars |
| 1                     | 25    | 50        | Yes       |
| 2                     | 33.75 | 40        | No        |
| 3                     | 35    | 55        | Yes       |
| 4                     | 45    | 70        | Yes       |
| 5                     | 30    | 60        | No        |

| Handling Missing data |                    |                          |               |
|-----------------------|--------------------|--------------------------|---------------|
| ID                    | Number of Vehicles | Preferred transport mode | Income scaled |
| 1                     | 2                  | Car                      | 0.333333      |
| 2                     | 0                  | Public Transport         | 0.000000      |
| 3                     | 1                  | Car                      | 0.500000      |
| 4                     | 0                  | Car                      | 1.000000      |
| 5                     | 0                  | Bike                     | 0.666667      |