|  |  |
| --- | --- |
| Attributes | Error |
| Gender | Gender column has the values like ‘M’,’F’ and ‘femal’.Changed these values to Male and Female accordingly.Also,values ‘U’ are changed according to the names. |
| Dob | Added one column age to dataset and found some has values more than 100.Deleted those rows which have age more than 100.  Blank values are replaced with mode of column values. |
| Job\_title | Some values are blank in this column.Removed those values as thery are less than 1%. |
| Deceased\_indicator | Deleted rows with deceased indicator YES. |
| First\_name,last\_name | Combined first and last\_name to get a full name. |
| Job\_industry | Spell checking is done and found agriculture is mispelled. |
| tenure | Blank values are changed with mean of all values. |
|  |  |
|  |  |

**Customer address**

|  |  |
| --- | --- |
| Attributes | Error |
| state | found inconsistent values like vic.Changed those values to Victoria. |
|  |  |

**Transaction**

|  |  |
| --- | --- |
| Attributes | Error |
| Standard cost | Removed $ from the amount values. |
| Online\_order | Blank values replaced wth NA. |
| Product\_line,product\_class,product\_size | Removed blank values because these are only 0.9% of total records so deleting those rows. |
| Product\_first\_sold\_date | Datatype was inconsistent so change the dataset into date. |

Customer\_id mismatched in customer demographic and customer address.Removed MisMatched values from both.