DataHead

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Age | Profession | Salaried | Marrital Status | Married\_ | Education | post\_grad | No of Dependents | Personal loan | P\_loan | House Loan | H\_loan | Wife Working | Wife works | Salary | Wife Salary | Total Salary | Make | Price |
| 27 | Salaried | 1 | Single | 0 | Post Graduate | 1 | 0 | Yes | 1 | No | 0 | No | 0 | 800000 | 0 | 800000 | i20 | 800000 |
| 35 | Salaried | 1 | Married | 1 | Post Graduate | 1 | 2 | Yes | 1 | Yes | 1 | Yes | 1 | 1400000 | 600000 | 2000000 | Ciaz | 1000000 |
| 45 | Business | 0 | Married | 1 | Graduate | 0 | 4 | Yes | 1 | Yes | 1 | No | 0 | 1800000 | 0 | 1800000 | Duster | 1200000 |
| 41 | Business | 0 | Married | 1 | Post Graduate | 1 | 3 | No | 0 | No | 0 | Yes | 1 | 1600000 | 600000 | 2200000 | City | 1200000 |
| 31 | Salaried | 1 | Married | 1 | Post Graduate | 1 | 2 | Yes | 1 | No | 0 | Yes | 1 | 1800000 | 800000 | 2600000 | SUV | 1600000 |
| 28 | Salaried | 1 | Married | 1 | Graduate | 0 | 3 | Yes | 1 | Yes | 1 | No | 0 | 900000 | 0 | 900000 | Baleno | 700000 |
| 31 | Salaried | 1 | Married | 1 | Graduate | 0 | 4 | No | 0 | No | 0 | Yes | 1 | 1200000 | 600000 | 1800000 | City | 1200000 |
| 33 | Business | 0 | Married | 1 | Post Graduate | 1 | 4 | No | 0 | No | 0 | No | 0 | 1400000 | 0 | 1400000 | Baleno | 700000 |
| 34 | Business | 0 | Married | 1 | Post Graduate | 1 | 4 | No | 0 | No | 0 | No | 0 | 2000000 | 0 | 2000000 | Verna | 1100000 |
| 34 | Salaried | 1 | Married | 1 | Graduate | 0 | 3 | Yes | 1 | Yes | 1 | Yes | 1 | 1200000 | 700000 | 1900000 | i20 | 800000 |
| 35 | Salaried | 1 | Married | 1 | Post Graduate | 1 | 4 | No | 0 | No | 0 | Yes | 1 | 1300000 | 700000 | 2000000 | SUV | 1600000 |
| 35 | Salaried | 1 | Married | 1 | Graduate | 0 | 4 | Yes | 1 | Yes | 1 | m | 1 | 1400000 | 0 | 1400000 | Baleno | 700000 |

Total number of car makes;

|  |
| --- |
| **Make** |
| i20 |
| Ciaz |
| Duster |
| City |
| SUV |
| Baleno |
| Verna |
| Luxuray |
| Creata |

Coding and data cleaning;

|  |  |
| --- | --- |
| Personal loan | P\_loan |
| Yes | 1 |
| No | 0 |

|  |  |
| --- | --- |
| Marrital Status | Married\_ |
| Single | 0 |
| Married | 1 |

|  |  |
| --- | --- |
| Profession | Salaried |
| Salaried | 1 |
| Business | 0 |

|  |  |
| --- | --- |
| Education | post\_grad |
| Post Graduate | 1 |
| Graduate | 0 |

|  |  |
| --- | --- |
| House Loan | H\_loan |
| No | 0 |
| Yes | 1 |

|  |  |
| --- | --- |
| Wife Working | Wife works |
| No | 0 |
| Yes | 1 |

Sample size = 99 observations

Tasks

* Use reverse engineering to come up with research topic
* Develop research topic and questions (relevant followed by Null and alternative hypotheses for each question)
* Use Descriptive statistics
* One way ANOVA
* Independent sample t-test
* Multiple linear regression involving one key variable and all other relevant variables