Results;

The Influence of Demographics and Financial Factors on Car Purchase Price Among Indian Automobile Buyers

1. Paired Samples T-Test

Car\_price – labelled as Price vs Personal Salary labelled as Salary

|  |  |
| --- | --- |
| parameter | Variances |
| Salary | 1.91577E+11 |
| price | 4.53766E+11 |

|  |  |  |
| --- | --- | --- |
| z-Test: Two Sample for Means |  |  |
|  |  |  |
|  | *Salary* | *Price* |
| Mean | 1736363.636 | 1194040.404 |
| Known Variance | 1.91577E+11 | 4.53766E+11 |
| Observations | 99 | 99 |
| Hypothesized Mean Difference | 0 |  |
| z | 6.717079754 |  |
| P(Z<=z) one-tail | 9.27014E-12 |  |
| z Critical one-tail | 1.644853627 |  |
| P(Z<=z) two-tail | 1.85403E-11 |  |
| z Critical two-tail | 1.959963985 |  |

1. Chi-Square Test

Profession ( salaried or Business) vs Car model labelled as Make

|  |  |  |  |
| --- | --- | --- | --- |
| **Count of Make** | **Column Labels** |  |  |
| **Row Labels** | **Business** | **Salaried** | **Grand Total** |
| Baleno | 8 | 11 | 19 |
| Ciaz | 4 | 8 | 12 |
| City | 3 | 7 | 10 |
| Creata | 3 | 11 | 14 |
| Duster | 4 | 3 | 7 |
| i20 | 5 | 7 | 12 |
| Luxuray |  | 2 | 2 |
| SUV | 6 | 13 | 19 |
| Verna | 2 | 2 | 4 |
| **Grand Total** | **35** | **64** | **99** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Expected** |  |  |  |
| Row Labels | Business | Salaried | Grand Total |
| Baleno | 6.717171717 | 12.28282828 | 19 |
| Ciaz | 4.242424242 | 7.757575758 | 12 |
| City | 3.535353535 | 6.464646465 | 10 |
| Creata | 4.949494949 | 9.050505051 | 14 |
| Duster | 2.474747475 | 4.525252525 | 7 |
| i20 | 4.242424242 | 7.757575758 | 12 |
| Luxuray | 0.707070707 | 1.292929293 | 2 |
| SUV | 6.717171717 | 12.28282828 | 19 |
| Verna | 1.414141414 | 2.585858586 | 4 |
| Grand Total | 35 | 64 | 99 |

|  |  |
| --- | --- |
| **p** | 0.833169227 |

The Effect of Workout Type and Body Mass Index (BMI) on Calories Burned and Resting Heart Rate Among Gym Members

1. Paired Samples T-Test

Calories Burned vs workout frequency

|  |  |
| --- | --- |
| Variable | Variances |
| Calories | 74333.4 |
| Workout\_Freq | 0.833655 |

|  |  |  |
| --- | --- | --- |
| z-Test: Two Sample for Means |  |  |
|  |  |  |
|  | *Calories\_Burned* | *Workout\_Frequency (days/week)* |
| Mean | 905.4224049 | 3.321685509 |
| Known Variance | 74333.39649 | 0.833654769 |
| Observations | 973 | 973 |
| Hypothesized Mean Difference | 0 |  |
| z | 103.2088705 |  |
| P(Z<=z) one-tail | 0 |  |
| z Critical one-tail | 1.644853627 |  |
| P(Z<=z) two-tail | 0 |  |
| z Critical two-tail | 1.959963985 |  |

1. Chi-square test

Workout\_type vs gender (male or female)

|  |  |  |  |
| --- | --- | --- | --- |
| **Count of Gender** | **Column Labels** |  |  |
| **Row Labels** | **Female** | **Male** | **Grand Total** |
| Cardio | 126 | 129 | 255 |
| HIIT | 107 | 114 | 221 |
| Strength | 123 | 135 | 258 |
| Yoga | 106 | 133 | 239 |
| **Grand Total** | **462** | **511** | **973** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Expected Values** |  |  |  |
| Row Labels | Female | Male | Grand Total |
| Cardio | 121.0791367 | 134 | 255 |
| HIIT | 104.9352518 | 116 | 221 |
| Strength | 122.5035971 | 135 | 258 |
| Yoga | 113.4820144 | 126 | 239 |
| Grand Total | 462 | 511 | 973 |

|  |  |
| --- | --- |
| **p** | 0.705232322 |

Help me add these in my 2 papers above. Direct me how to present the results, interpret the result, very brief, How to fit each of them in hypotheses/research question discussion section and recommendation from each. Make precise and concise