**Inferential statistics**

**Scatter Plot**



**Correlations**

**1-**

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| **Correlations** |
|  | Wieght | Hight |
| Wieght | Pearson Correlation | 1 | .635\*\* |
| Sig. (2-tailed) |  | .000 |
| N | 137 | 137 |
| Hight | Pearson Correlation | .635\*\* | 1 |
| Sig. (2-tailed) | .000 |  |
| N | 137 | 137 |
| \*\*. Correlation is significant at the 0.01 level (2-tailed). |

**2-**

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| **Correlations** |
|  | Income | Education |
| Spearman's rho | Income | Correlation Coefficient | 1.000 | .371\*\* |
| Sig. (2-tailed) | . | .000 |
| N | 137 | 137 |
| Education | Correlation Coefficient | .371\*\* | 1.000 |
| Sig. (2-tailed) | .000 | . |
| N | 137 | 137 |
| \*\*. Correlation is significant at the 0.01 level (2-tailed). |

**T-test**

1-

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| **Group Statistics** |
|  | Sex | N | Mean | Std. Deviation | Std. Error Mean |
| Wieght | male | 39 | 79.90 | 14.924 | 2.390 |
| female | 98 | 61.08 | 11.117 | 1.123 |

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**2-**

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| **Paired Samples Statistics** |
|  | Mean | N | Std. Deviation | Std. Error Mean |
| Pair 1 | Hight | 167.34 | 137 | 9.102 | .778 |
| BMI | 23.48 | 137 | 3.956 | .338 |

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| **Paired Samples Correlations** |
|  | N | Correlation | Sig. |
| Pair 1 | Hight & BMI | 137 | .214 | .012 |



**Chi- square**

1-

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| **Sex \* student Smoking Crosstabulation** |
| Count  |
|  | Smoking | Total |
| yes | No |
| Sex | male | 13 | 26 | 39 |
| female | 14 | 84 | 98 |
| Total | 27 | 110 | 137 |

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| **Chi-Square Tests** |
|  | Value | df | Asymp. Sig. (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 6.396a | 1 | .011 |  |  |
| Continuity Correctionb | 5.249 | 1 | .022 |  |  |
| Likelihood Ratio | 5.963 | 1 | .015 |  |  |
| Fisher's Exact Test |  |  |  | .017 | .013 |
| Linear-by-Linear Association | 6.350 | 1 | .012 |  |  |
| N of Valid Cases | 137 |  |  |  |  |
| a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 7.69. |
| b. Computed only for a 2x2 table |

**2-**

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| **Family Income \* Bodymass Crosstabulation** |
| Count  |
|  | Bodymass | Total |
| underweight | Normal | overweight | Obese |
| Income | <500 | 0 | 4 | 1 | 1 | 6 |
| 500-999 | 7 | 28 | 12 | 1 | 48 |
| >=1000 | 3 | 47 | 25 | 8 | 83 |
| Total | 10 | 79 | 38 | 10 | 137 |

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| **Chi-Square Tests** |
|  | Value | df | Asymp. Sig. (2-sided) |
| Pearson Chi-Square | 9.272a | 6 | .159 |
| Likelihood Ratio | 9.773 | 6 | .135 |
| Linear-by-Linear Association | 2.689 | 1 | .101 |
| N of Valid Cases | 137 |  |  |
| a. 6 cells (50.0%) have expected count less than 5. The minimum expected count is .44. |

**3-**

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| **Parentsmoke \* student Crosstabulation** |
| Count  |
|  | Smoking | Total |
| yes | No |
| Parentsmoke | no | 10 | 80 | 90 |
| both | 6 | 5 | 11 |
| Father only | 10 | 22 | 32 |
| mother only | 1 | 3 | 4 |
| Total | 27 | 110 | 137 |

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| **Chi-Square Tests** |
|  | Value | df | Asymp. Sig. (2-sided) |
| Pearson Chi-Square | 15.405a | 3 | .002 |
| Likelihood Ratio | 13.798 | 3 | .003 |
| Linear-by-Linear Association | 7.361 | 1 | .007 |
| N of Valid Cases | 137 |  |  |
| a. 3 cells (37.5%) have expected count less than 5. The minimum expected count is .79. |

4-

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| **Sex \* Typesmoke Crosstabulation** |
| Count  |
|  | Typesmoke | Total |
| cigarette | hookah | e-cigarette | both |
| Sex | male | 6 | 2 | 1 | 3 | 12 |
| female | 1 | 9 | 0 | 2 | 12 |
| Total | 7 | 11 | 1 | 5 | 24 |

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| **Chi-Square Tests** |
|  | Value | df | Asymp. Sig. (2-sided) |
| Pearson Chi-Square | 9.226a | 3 | .026 |
| Likelihood Ratio | 10.368 | 3 | .016 |
| Linear-by-Linear Association | .140 | 1 | .708 |
| N of Valid Cases | 24 |  |  |
| a. 6 cells (75.0%) have expected count less than 5. The minimum expected count is .50. |

**5-**

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| **Tawjihi \* Cumm Crosstabulation** |
| Count  |
|  | Cumm | Total |
| 2-2.49 | 2.50-2.99 | 3-3.49 | 3.50-4 |
| Tawjihi | <90 | 3 | 5 | 0 | 0 | 8 |
| 90-95 | 30 | 43 | 25 | 13 | 111 |
| >95 | 4 | 6 | 2 | 6 | 18 |
| Total | 37 | 54 | 27 | 19 | 137 |

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| **Chi-Square Tests** |
|  | Value | df | Asymp. Sig. (2-sided) |
| Pearson Chi-Square | 10.839a | 6 | .093 |
| Likelihood Ratio | 12.071 | 6 | .060 |
| Linear-by-Linear Association | 4.811 | 1 | .028 |
| N of Valid Cases | 137 |  |  |
| a. 7 cells (58.3%) have expected count less than 5. The minimum expected count is 1.11. |