**SPH3101 Practical session**

1. Populate the below table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | **Cardiovascular disease (CVD)** | | | |
|  | | **With CVD**  **(Total N =)** | **Without CVD**  **(Total N=)** | **p-value** | **Test used** |
|  | | Mean ± SD | Mean ± SD |  |  |
| Age (in years) | |  |  |  |  |
| BMI (kg/m2) | |  |  |  |  |
| LDL cholesterol levels (mmol/L) | |  |  |  |  |
|  |  | N (%) | N (%) |  |  |
| Gender | Female |  |  |  |  |
| Male |  |  |
| Ethnicity | Chinese |  |  |  |  |
| Malay |  |  |
| Indian |  |  |
| Smoking status | Daily smoker |  |  |  |  |
| Occasional smoker |  |  |
| Ex-smoker |  |  |
| Never smoker |  |  |

1. Is BMI associated with CVD? Populate your results in the below table.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | **Cardiovascular disease (CVD)** | | | |
|  | | **With CVD**  **(Total N =)** | **Without CVD**  **(Total N=)** | **p-value** | **Test used** |
|  |  | N (%) | N (%) |  |  |
| Overweight | Yes |  |  |  |  |
| No |  |  |

1. Is smoking associated with BMI? Populate your results in the below table.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | **Overweight** | | | |
|  | | **Yes**  **(Total N =)** | **No**  **(Total N=)** | **p-value** | **Test used** |
|  |  | N (%) | N (%) |  |  |
| Smoker | Yes |  |  |  |  |
| No |  |  |

1. Is smoking associated with BMI? Populate your results in the below table.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | **Cardiovascular disease (CVD)** | | | |
|  | | **With CVD**  **(Total N =)** | **Without CVD**  **(Total N=)** | **p-value** | **Test used** |
|  |  | N (%) | N (%) |  |  |
| Smoker | Yes |  |  |  |  |
| No |  |  |

5. Is there a linear association between BMI and LDL cholesterol levels? Report the correlation coefficient and p value of correlation.