1. 資料TC若符合常態分佈假設，檢定SEX在年齡分層有無差異。

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | SEX | | DF | t value | Pr > |t| | 接受或拒絕H0 |
|  | 0 | 1 |  |  |  |  |
| TC(Mean±SD) |  |  |  |  |  |  |
| AGE>=40 | 195.10±34.3254 | 195.00±34.2791 | 3341 | 0.05 | 0.9623 | 接受 |
| AGE<40 | 190.60±33.1083 | 182.30±32.6702 | 2881 | 1.03 | <.0001 | 拒絕 |

1. 資料Bodyfat若不符合常態分佈假設，檢定SEX在年齡分層有無差異。

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | SEX | | Z value | Pr > |Z| | 接受或拒絕H0 |
|  | 0 | 1 |  |  |  |
| Bodyfat(Median, IQR) |  |  |  |  |  |
| AGE>=40 | 26.80, 5.20 | 33.20, 5.60 | -34.4509 | <.0001 | 拒絕 |
| AGE<40 | 24.80, 6.30 | 30.70, 6.20 | -27.5041 | <.0001 | 拒絕 |

1. 資料IOPL及IOPR若符合常態分佈假設，檢定SEX與年齡分層在左右眼壓有無差異。

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Mean±SD | DF | t value | Pr > |t| | 接受或拒絕H0 |
| SEX=0 |  |  |  |  |  |
| IOPD(Mean±SD) |  |  |  |  | D:左右差距 |
| AGE>=40 | 0.1643±1.8320 | 1070 | 2.94 | 0.0034 | 拒絕 |
| AGE<40 | 0.0982±1.7083 | 875 | 1.70 | 0.0893 | 接受 |
| SEX=1 |  |  |  |  |  |
| IOPD(Mean±SD) |  |  |  |  |  |
| AGE>=40 | 0.2043±1.7913 | 2275 | 5.44 | <.0001 | 拒絕 |
| AGE<40 | 0.1425±1.8022 | 2006 | 3.54 | 0.0004 | 拒絕 |

1. 資料IOPL及IOPR若不符合常態分佈假設，檢定SEX與年齡分層在左右眼壓有無差異。

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Median, IQR | S value | Pr > |S| | 接受或拒絕H0 |
| SEX=0 |  |  |  |  |
| IOPD |  |  |  | D:左右差距 |
| AGE>=40 | 0.00, 2.00 | 20631 | 0.0013 | 拒絕 |
| AGE<40 | 0.00, 2.00 | 8487 | 0.0534 | 接受 |
| SEX=1 |  |  |  |  |
| IOPD |  |  |  |  |
| AGE>=40 | 0.00, 2.00 | 109646 | <.0001 | 拒絕 |
| AGE<40 | 0.00, 2.00 | 68916 | <.0001 | 拒絕 |

※猜測老師原本打錯，否則結論如下

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Median, SD | S value | Pr > |t| | 接受或拒絕H0 |
| SEX=0 |  |  |  |  |
| IOPD |  |  |  | D:左右差距 |
| AGE>=40 | 0.00, 1.8320 | 20631 | 0.0034 | 拒絕 |
| AGE<40 | 0.00, 1.7083 | 8487 | 0.0893 | 接受 |
| SEX=1 |  |  |  |  |
| IOPD |  |  |  |  |
| AGE>=40 | 0.00, 1.7913 | 109646 | <.0001 | 拒絕 |
| AGE<40 | 0.00, 1.8022 | 68916 | 0.0004 | 拒絕 |