Data for Math 125 Males (n=5)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X: Arm-span | 72 | 76 | 78 | 77 | 74 |
| Y: Height | 71 | 72 | 76 | 76 | 74 |

|  |  |
| --- | --- |
| **Arm-span** | **Height** |
| Mean:  Median:  Q1:  Q3:  IQR: | Mean:  Median:  Q1:  Q3:  IQR: |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Obs X** (in) | **()** (in) | **() 2** (in) **2** | **Obs Y** (in) | **()** (in) | **() 2**(in) **2** |
| =72 |  |  | =71 |  |  |
| =76 |  |  | =72 |  |  |
| =78 |  |  | =76 |  |  |
| =77 |  |  | =76 |  |  |
| =74 |  |  | =74 |  |  |
| **SUM:** | |  | **SUM:** | |  |
| **Variance (var) = SUM/(n-1):** | |  | **Variance (var) = SUM/(n-1):** | |  |
| **STD DEV = =** | |  | **STD DEV = =** | |  |

|  |  |
| --- | --- |
| HISTOGRAM OF ARM-SPAN | HISTOGRAM OF HEIGHT |
|  |  |

Math 125 Randomly Selected Females (n=5)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X: Arm-span | 68 | 67.5 | 54 | 57 | 63.5 |
| Y: Height | 67 | 67 | 63 | 65.5 | 66 |

|  |  |
| --- | --- |
| **Arm-span** | **Height** |
| Mean:  Median:  Q1:  Q3:  IQR: | Mean:  Median:  Q1:  Q3:  IQR: |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Obs X** (in) | **()** (in) | **() 2** (in) **2** | **Obs Y** (in) | **()** (in) | **() 2**(in) **2** |
| =68 |  |  | =67 |  |  |
| =67.5 |  |  | =67 |  |  |
| =54 |  |  | =63 |  |  |
| =57 |  |  | =65.5 |  |  |
| =63.5 |  |  | =66 |  |  |
| **SUM:** | |  | **SUM:** | |  |
| **Variance (var) = SUM/(n-1):** | |  | **Variance (var) = SUM/(n-1):** | |  |
| **STD DEV = =** | |  | **STD DEV = =** | |  |

|  |  |
| --- | --- |
| HISTOGRAM OF ARM-SPAN | HISTOGRAM OF HEIGHT |
|  |  |

Draw two box plots side by side to illustrate the HEIGHTS of males and females.

|  |  |  |  |
| --- | --- | --- | --- |
| MEN | WOMEN | MEN | WOMEN |
|  |  | Min  Max  Median  Q1  Q3  IQR  1.5 × IQR  Q1 – (1.5 × IQR)  Q3 + (1.5 × IQR) | Min  Max  Median  Q1  Q3  IQR  1.5 × IQR  Q1 – (1.5 × IQR)  Q3 + (1.5 × IQR) |

Draw two box plots side by side to illustrate the ARM-SPANS of males and females.

|  |  |  |  |
| --- | --- | --- | --- |
| MEN | WOMEN | MEN | WOMEN |
|  |  | Min  Max  Median  Q1  Q3  IQR  1.5 × IQR  Q1 – (1.5 × IQR)  Q3 + (1.5 × IQR) | Min  Max  Median  Q1  Q3  IQR  1.5 × IQR  Q1 – (1.5 × IQR)  Q3 + (1.5 × IQR) |