GET

FILE='C:\Users\GEORGE\Desktop\SPSS Project\hourlywagedata.sav'.

DATASET NAME DataSet2 WINDOW=FRONT.

DATASET CLOSE DataSet1.

MEANS TABLES=hourwage BY yrsscale BY position

/CELLS MEAN COUNT STDDEV.

**Means**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 25-OCT-2022 21:31:20 |
| Comments | |  |
| Input | Data | C:\Users\GEORGE\Desktop\SPSS Project\hourlywagedata.sav |
| Active Dataset | DataSet2 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 3000 |
| Missing Value Handling | Definition of Missing | For each dependent variable in a table, user-defined missing values for the dependent and all grouping variables are treated as missing. |
| Cases Used | Cases used for each table have no missing values in any independent variable, and not all dependent variables have missing values. |
| Syntax | | MEANS TABLES=hourwage BY yrsscale BY position  /CELLS MEAN COUNT STDDEV. |
| Resources | Processor Time | 00:00:00.06 |
| Elapsed Time | 00:00:00.09 |

[DataSet2] C:\Users\GEORGE\Desktop\SPSS Project\hourlywagedata.sav

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Case Processing Summary** | | | | | | |
|  | Cases | | | | | |
| Included | | Excluded | | Total | |
| N | Percent | N | Percent | N | Percent |
| Hourly Salary \* Years Experience \* Nurse Type | 2911 | 97.0% | 89 | 3.0% | 3000 | 100.0% |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Report** | | | | |
| Hourly Salary | | | | |
| Years Experience | Nurse Type | Mean | N | Std. Deviation |
| 5 or less | Hospital | 19.0753 | 147 | 3.37129 |
| Office | 15.9882 | 74 | 3.98762 |
| Total | 18.0416 | 221 | 3.86667 |
| 6-10 | Hospital | 19.4846 | 313 | 3.35218 |
| Office | 17.7082 | 147 | 4.32447 |
| Total | 18.9169 | 460 | 3.77816 |
| 11-15 | Hospital | 20.2412 | 518 | 3.41065 |
| Office | 18.3784 | 234 | 4.57662 |
| Total | 19.6616 | 752 | 3.90528 |
| 16-20 | Hospital | 21.1369 | 471 | 3.29487 |
| Office | 18.7373 | 258 | 4.23293 |
| Total | 20.2876 | 729 | 3.82786 |
| 21-35 | Hospital | 21.8601 | 350 | 3.48989 |
| Office | 20.1471 | 189 | 4.82372 |
| Total | 21.2594 | 539 | 4.08669 |
| 36 or more | Hospital | 22.0641 | 146 | 3.14466 |
| Office | 20.6534 | 64 | 4.38931 |
| Total | 21.6342 | 210 | 3.61826 |
| Total | Hospital | 20.6764 | 1945 | 3.49582 |
| Office | 18.6859 | 966 | 4.58852 |
| Total | 20.0159 | 2911 | 4.00309 |

**SUMMARY**

The first row of the table displays statistics for hospital nurses who have five years or less of nursing experience.

The second row displays the same statistics for office nurses with the same level of experience.

The third row is labeled *Total*, displaying statistics for the two previous rows combined.

Across all rows of the table, the *Mean* column shows how average salary differs by nursing position within level of experience. Although hospital nurses earn more than office nurses across all experience levels, the gap narrows over time.

Finally, the *Std. Deviation* column indicates that office nurses vary more widely around their average salary than staff nurses.