**Ebony Postell**

**Homework 4 Pandas**

**6/29/19**

**Heroes of Pymoli**

Three observable trends based on the data.

|  | **Purchase Count** | **Average Purchase Price** | **Average Purchase Value** | **Avg Purchase Total per Person** |
| --- | --- | --- | --- | --- |
| **Female** | 113 | $3.20 | $361.94 | $4.47 |
| **Male** | 652 | $3.02 | $1,967.64 | $4.07 |
| **Other / Non-Disclosed** | 15 | $3.35 | $50.19 | $4.56 |

Discussion

The result indicated that female has 14.5% of the purchase count, male has 83.6% of the purchase count and other/non-disclosed has 0.9% of the purchase count. Other/non-disclosed has the highest average purchase price and average purchase total per person, followed by the female and lastly the male.

|  | **Percentage of Players** | **Total Count** |
| --- | --- | --- |
| **<10** | 3.99 | 23 |
| **10-14** | 4.86 | 28 |
| **15-19** | 23.61 | 136 |
| **20-24** | 63.37 | 365 |
| **25-29** | 17.53 | 101 |
| **30-34** | 12.67 | 73 |
| **35-39** | 7.12 | 41 |
| **40+** | 2.26 | 13 |

Discussion

Based on the age demographics, individual between the age of 20-24 (63.37%) has the highest percentage of players and total count, followed by individual between 15-19 (23.61%) and 25-29 (17.53%) with individual over 40years (2.26%) of age been the lowest total count and percentage of players.

|  |  | **Purchase Count** | **Item Price** | **Total Purchase Value** |
| --- | --- | --- | --- | --- |
| **Item ID** | **Item Name** |  |  |  |
| **178** | **Oathbreaker, Last Hope of the Breaking Storm** | 12 | $4.23 | $50.76 |
| **145** | **Fiery Glass Crusader** | 9 | $4.58 | $41.22 |
| **108** | **Extraction, Quickblade Of Trembling Hands** | 9 | $3.53 | $31.77 |
| **82** | **Nirvana** | 9 | $4.90 | $44.10 |
| **19** | **Pursuit, Cudgel of Necromancy** | 8 | $1.02 | $8.16 |

Item **Oath breaker, Last Hope of the Breaking Storm** has the highest purchase count and total purchase value, **Nirvana** has the second purchase count and total purchase value, **Fiery Glass Crusader** has the third purchase count and total purchase value and **Pursuit, Cudgel of Necromancy** has the lowest purchase count and total purchase value.