

# Pandas Challenge - Heroes of Pymoli

## By Celeste Muniz-Lithgow

### Summary Tables and Output

#### Player Count:

Out[3]: 576

#### Purchasing Analysis (Total):

Out[4]:

Total Unique Items	Average Price	Total Purchases	Total Revenue
0	\$3.05	780	\$2,379.77

#### Gender Demographics:

	Percentage	Total Count
Female	14.06%	81
Male	84.03%	484
Other / Non-Disclosed	1.91%	11

#### Purchasing Analysis (Gender):

Gender	Purchase Count	Avg Purchase Price	Avg Purchase Total
Female	113	\$3.20	\$4.47
Male	652	\$3.02	\$4.07
Other / Non-Disclosed	15	\$3.35	\$4.56

#### Age Demographics:

Age Ranges	Percentage	Total Players
<10	2.95%	17
10-14	3.82%	22
15-19	18.58%	107
20-24	44.79%	258
25-29	13.37%	77
30-34	9.03%	52
35-39	5.38%	31
40+	2.08%	12

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Purchasing Analysis (Age) :

Out[8]:

	Purchase Count	Average Purchase Price	Purchase Totals Per Range	Average Purchase Total Per Person
<b>Age Ranges</b>				
<10	23	\$3.35	\$77.13	\$4.54
10-14	28	\$2.96	\$82.78	\$3.76
15-19	136	\$3.04	\$412.89	\$3.86
20-24	365	\$3.05	\$1,114.06	\$4.32
25-29	101	\$2.90	\$293.00	\$3.81
30-34	73	\$2.93	\$214.00	\$4.12
35-39	41	\$3.60	\$147.67	\$4.76
40+	13	\$2.94	\$38.24	\$3.19

<b>Age Ranges</b>				
<10	23	\$3.35	\$77.13	\$4.54
10-14	28	\$2.96	\$82.78	\$3.76
15-19	136	\$3.04	\$412.89	\$3.86
20-24	365	\$3.05	\$1,114.06	\$4.32
25-29	101	\$2.90	\$293.00	\$3.81
30-34	73	\$2.93	\$214.00	\$4.12
35-39	41	\$3.60	\$147.67	\$4.76
40+	13	\$2.94	\$38.24	\$3.19

Top Spenders:

Out[9]:

	Number of Purchases	Average Purchase	Total Purchases
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<b>SN</b>			
Haillyrgue51	3	\$3.17	\$9.50
Phistym51	2	\$4.75	\$9.50
Lamil79	2	\$4.64	\$9.29
Aina42	3	\$3.07	\$9.22
Saesrideu94	2	\$4.59	\$9.18

Most Popular Items:

	Purchase Count	Avg Item Price	Total Purchase Value
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Item ID	Item Name			
92	Final Critic	13	\$4.61	\$59.99
178	Oathbreaker, Last Hope of the Breaking Storm	12	\$4.23	\$50.76
145	Fiery Glass Crusader	9	\$4.58	\$41.22
132	Persuasion	9	\$3.22	\$28.99
108	Extraction, Quickblade Of Trembling Hands	9	\$3.53	\$31.77

Most Profitable Items:

	Purchase Count	Avg Item Price	Total Purchase Value
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Item ID	Item Name			
92	Final Critic	13	\$4.61	\$59.99
178	Oathbreaker, Last Hope of the Breaking Storm	12	\$4.23	\$50.76
82	Nirvana	9	\$4.90	\$44.10
145	Fiery Glass Crusader	9	\$4.58	\$41.22
103	Singed Scalpel	8	\$4.35	\$34.80