

In [1]:	<pre>import pandas as pd</pre>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
In [2]:	<pre>df=pd.read_excel("C:\Users\acer\Downloads\Orders-20210704T0925282-001\Orders\0order Year\2011.xlsx") df</pre>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Out[2]:	<table><tr><th></th><th>Row ID</th><th>Order ID</th><th>Order Date</th><th>Order Priority</th><th>Order Quantity</th><th>Sales</th><th>Discount</th><th>Ship Mode</th><th>Profit</th><th>Unit Price</th><th>...</th><th>Customer Name</th><th>Province</th><th>Region</th><th>Customer Segment</th><th>Product Category</th><th>Product Sub-Category</th><th>Product Name</th><th>Product Container</th><th>Product Base Margin</th></tr><tr><td></td><td>0</td><td>80</td><td>483 40734</td><td>High</td><td>30</td><td>4965.7595</td><td>0.08</td><td>Regular Air</td><td>1198.9710</td><td>195.99</td><td>...</td><td>Clay Rozendal</td><td>Nunavut</td><td>Nunavut</td><td>Corporate</td><td>Technology</td><td>Telephones and Communication</td><td>R380</td><td>Small Box</td><td>0.1</td></tr><tr><td></td><td>1</td><td>97</td><td>613 40711</td><td>High</td><td>12</td><td>93.5400</td><td>0.03</td><td>Regular Air</td><td>-54.0385</td><td>7.30</td><td>...</td><td>Carl Jackson</td><td>Nunavut</td><td>Nunavut</td><td>Corporate</td><td>Office Supplies</td><td>Binders and Binder Accessories</td><td>Angle-D Binders with Locking Rings Label Holders</td><td>Small Box</td><td>0.1</td></tr><tr><td></td><td>2</td><td>98</td><td>613 40711</td><td>High</td><td>22</td><td>905.0800</td><td>0.09</td><td>Regular Air</td><td>127.7000</td><td>42.76</td><td>...</td><td>Carl Jackson</td><td>Nunavut</td><td>Nunavut</td><td>Corporate</td><td>Office Supplies</td><td>Storage & Organization</td><td>SAFCO Mobile Desk Side File, Wire Frame</td><td>Small Box</td><td>Ne</td></tr><tr><td></td><td>3</td><td>103</td><td>643 40626</td><td>High</td><td>21</td><td>2781.8200</td><td>0.07</td><td>Express Air</td><td>-695.2600</td><td>138.14</td><td>...</td><td>Monica Federle</td><td>Nunavut</td><td>Nunavut</td><td>Corporate</td><td>Office Supplies</td><td>Storage & Organization</td><td>SAFCO Commercial Wire Shelving, Black</td><td>Large Box</td><td>Ne</td></tr><tr><td></td><td>4</td><td>160</td><td>995 40693</td><td>Medium</td><td>46</td><td>1815.4900</td><td>0.03</td><td>Regular Air</td><td>782.9100</td><td>39.89</td><td>...</td><td>Neola Schneider</td><td>Nunavut</td><td>Nunavut</td><td>Home Office</td><td>Furniture</td><td>Office Furnishings</td><td>Ultra Commercial Grade Dual Valve Door Closer</td><td>Wrap Bag</td><td>0.1</td></tr><tr><td></td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td></tr><tr><td></td><td>1997</td><td>2083</td><td>14883 40669</td><td>Low</td><td>47</td><td>5126.4180</td><td>0.03</td><td>Regular Air</td><td>1557.6390</td><td>125.99</td><td>...</td><td>Jason Fortune</td><td>Alberta</td><td>West</td><td>Corporate</td><td>Technology</td><td>Telephones and Communication</td><td>i2000</td><td>Small Box</td><td>0.1</td></tr><tr><td></td><td>1998</td><td>5577</td><td>39492 40650</td><td>Not Specified</td><td>31</td><td>5347.9875</td><td>0.01</td><td>Regular Air</td><td>1332.4410</td><td>200.99</td><td>...</td><td>Jason Fortune</td><td>Alberta</td><td>West</td><td>Corporate</td><td>Technology</td><td>Telephones and Communication</td><td>2160i</td><td>Small Box</td><td>0.1</td></tr><tr><td></td><td>1999</td><td>7586</td><td>54279 40754</td><td>High</td><td>41</td><td>10071.0900</td><td>0.10</td><td>Delivery Truck</td><td>1977.6900</td><td>264.98</td><td>...</td><td>Harry Greene</td><td>Alberta</td><td>West</td><td>Corporate</td><td>Technology</td><td>Office Machines</td><td>Panasonic KX-P1131 Dot Matrix Printer</td><td>Jumbo Drum</td><td>0.1</td></tr><tr><td></td><td>2000</td><td>7906</td><td>56550 40641</td><td>Not Specified</td><td>37</td><td>823.7800</td><td>0.03</td><td>Express Air</td><td>343.0500</td><td>22.23</td><td>...</td><td>Frank Hawley</td><td>Alberta</td><td>West</td><td>Home Office</td><td>Furniture</td><td>Office Furnishings</td><td>Executive Impressions 14"</td><td>Small Pack</td><td>0.1</td></tr><tr><td></td><td>2001</td><td>7907</td><td>56550 40641</td><td>Not Specified</td><td>8</td><td>469.8375</td><td>0.00</td><td>Regular Air</td><td>-159.2360</td><td>65.99</td><td>...</td><td>Frank Hawley</td><td>Alberta</td><td>West</td><td>Home Office</td><td>Technology</td><td>Telephones and Communication</td><td>Talkabout T8367</td><td>Small Box</td><td>0.1</td></tr><tr><td></td><td colspan="20">2002 rows × 21 columns</td></tr><tr><td>In [7]:</td><td><pre>gr1=df.groupby(by="Order Priority").sum()</pre></td></tr><tr><td>In [8]:</td><td><pre>gr1</pre></td></tr><tr><td>Out[8]:</td><td><table><tr><th></th><th>Row ID</th><th>Order ID</th><th>Order Date</th><th>Order Quantity</th><th>Sales</th><th>Discount</th><th>Profit</th><th>Unit Price</th><th>Shipping Cost</th><th>Product Base Margin</th><th>Ship Date</th></tr><tr><td>Order Priority</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Critical</td><td>1796252</td><td>12815456</td><td>16778298</td><td></td><td>10304</td><td>690665.2940</td><td>21.02</td><td>60516.622576</td><td>34864.23</td><td>4987.56</td><td>209.06</td></tr><tr><td>High</td><td>1847585</td><td>13187099</td><td>18287838</td><td></td><td>11807</td><td>794342.0610</td><td>22.20</td><td>114083.681477</td><td>37567.84</td><td>5184.87</td><td>222.63</td></tr><tr><td>Low</td><td>1624788</td><td>11592870</td><td>15679871</td><td></td><td>10350</td><td>709560.8215</td><td>19.79</td><td>84084.047207</td><td>26264.56</td><td>5015.72</td><td>192.43</td></tr><tr><td>Medium</td><td>1624590</td><td>11593763</td><td>15026547</td><td></td><td>9280</td><td>565005.0585</td><td>19.37</td><td>50805.727275</td><td>25842.40</td><td>4778.87</td><td>186.16</td></tr><tr><td>Not Specified</td><td>1608122</td><td>11474975</td><td>15762590</td><td></td><td>9823</td><td>677243.4670</td><td>19.36</td><td>71965.907689</td><td>35246.09</td><td>4958.08</td><td>198.44</td></tr></table></td></tr><tr><td>In [6]:</td><td><pre>gr1.groups</pre></td></tr><tr><td>Out[6]:</td><td><pre>{'Critical': [12, 27, 28, 44, 54, 55, 60, 61, 62, 66, 68, 69, 71, 78, 79, 80, 84, 92, 93, 103, 110, 112, 120, 121, 134, 135, 140, 143, 165, 168, 176, 177, 19 2, 193, 195, 196, 203, 214, 215, 216, 217, 237, 238, 239, 246, 247, 251, 254, 262, 263, 264, 265, 288, 291, 292, 297, 302, 304, 313, 315, 316, 317, 318, 319, 320, 323, 326, 334, 336, 348, 353, 368, 371, 372, 377, 378, 383, 384, 388, 391, 397, 398, 399, 400, 405, 407, 411, 424, 442, 443, 444, 463, 474, 476, 477, 47 8, 486, 487, 491, 505, ...], 'High': [0, 1, 2, 3, 7, 10, 11, 14, 15, 16, 17, 26, 29, 30, 31, 32, 33, 36, 37, 38, 42, 49, 50, 56, 57, 58, 67, 82, 85, 86, 94, 9 5, 97, 104, 105, 106, 107, 108, 113, 114, 115, 116, 119, 125, 126, 127, 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312, 314, 321, 347, 351, 352, 355, 358, 359, 360, 363, 364, 374, 375, 392, 393, 408, 409, 414, 415, 417, 418, 419, 422, 426, 427, 428, 448, 449, 454, 455, 467, 46 8, 473, 493, 494, 500, 501, 502, 506, 507, 526, 535, 536, 537, 539, 540, 541, 545, ...], 'Not Specified': [8, 9, 13, 18, 19, 22, 23, 24, 34, 41, 46, 47, 48, 5 1, 52, 53, 59, 72, 73, 81, 83, 96, 98, 99, 102, 109, 123, 124, 141, 142, 146, 147, 156, 178, 179, 191, 197, 198, 199, 200, 201, 202, 207, 208, 218, 221, 222, 240, 249, 250, 255, 268, 271, 272, 274, 295, 296, 298, 305, 306, 327, 328, 337, 338, 373, 386, 389, 401, 404, 412, 413, 416, 420, 421, 423, 431, 432, 456, 45 7, 465, 466, 472, 479, 480, 482, 483, 488, 489, 492, 495, 496, 497, 498, 508, 512, 513, 514, 515, 529, 534, ...]}</pre></td></tr><tr><td>In [10]:</td><td><pre>print(gr1)</pre></td></tr><tr><td></td><td><table><tr><th></th><th>Row ID</th><th>Order ID</th><th>Order Date</th><th>Order Quantity</th><th>Sales</th><th>Discount</th><th>Profit</th><th>Unit 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Specified</td><td>19.36</td><td>71965.907689</td><td>35246.09</td><td>4958.08</td><td>198.44</td><td>15763150</td></tr></table></td></tr><tr><td>In [11]:</td><td><pre>gr1=df.groupby(by="Order Priority") print(gr1)</pre></td></tr><tr><td></td><td><p><pandas.core.groupby.generic.DataFrameGroupBy object at 0x00e001B4F47D0400></p></td></tr><tr><td>In [17]:</td><td><pre>gr2=df.groupby(by="Ship Mode").groups</pre></td></tr><tr><td>In [19]:</td><td><pre>gr2</pre></td></tr><tr><td>Out[19]:</td><td><pre>{'Delivery Truck': [12, 23, 26, 36, 42, 52, 54, 56, 59, 64, 69, 76, 79, 84, 86, 99, 103, 117, 126, 131, 137, 138, 145, 146, 163, 165, 170, 179, 180, 194, 208, 237, 239, 239, 248, 253, 269, 273, 281, 282, 289, 292, 298, 310, 311, 316, 325, 332, 334, 335, 337, 344, 346, 349, 369, 370, 372, 373, 377, 379, 382, 383, 40 8, 411, 418, 423, 427, 432, 443, 458, 487, 496, 528, 547, 553, 571, 579, 584, 590, 594, 605, 611, 615, 625, 629, 634, 635, 636, 639, 645, 649, 650, 653, 671, 694, 708, 710, 711, 718, 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[22]:</td><td><pre>gr3=df.groupby(by=["Ship Mode", "Order Priority"]).groups</pre></td></tr><tr><td>In [23]:</td><td><pre>gr3</pre></td></tr><tr><td>Out[23]:</td><td><pre>{('Delivery Truck', 'Critical'): [12, 54, 69, 79, 84, 103, 105, 237, 238, 239, 292, 318, 334, 372, 377, 383, 411, 443, 487, 571, 590, 611, 649, 718, 777, 831, 850, 862, 866, 893, 934, 936, 1028, 1030, 1070, 1134, 1148, 1237, 1330, 1439, 1477, 1549, 1571, 1619, 1647, 1661, 1697, 1745, 1812, 1814, 1853, 1855, 1919, 19 42], ('Delivery Truck', 'High'): [26, 36, 42, 56, 86, 126, 131, 137, 138, 163, 310, 311, 344, 346, 349, 382, 458, 547, 634, 645, 694, 711, 751, 752, 765, 838, 927, 1041, 1050, 1063, 1078, 1084, 1156, 1161, 1166, 1198, 1219, 1255, 1382, 1418, 1461, 1519, 1600, 1626, 1649, 1737, 1739, 1755, 1799, 1815, 1946, 1950, 199 9], ('Delivery Truck', 'Low'): [117, 180, 248, 253, 282, 325, 332, 335, 369, 370, 379, 403, 528, 579, 594, 625, 635, 636, 650, 708, 710, 803, 829, 876, 893, 9 30, 935, 1045, 1059, 1086, 1145, 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603</pre></td></tr></table>		Row ID	Order ID	Order Date	Order Priority	Order Quantity	Sales	Discount	Ship Mode	Profit	Unit Price	...	Customer Name	Province	Region	Customer Segment	Product Category	Product Sub-Category	Product Name	Product Container	Product Base Margin		0	80	483 40734	High	30	4965.7595	0.08	Regular Air	1198.9710	195.99	...	Clay Rozendal	Nunavut	Nunavut	Corporate	Technology	Telephones and Communication	R380	Small Box	0.1		1	97	613 40711	High	12	93.5400	0.03	Regular Air	-54.0385	7.30	...	Carl Jackson	Nunavut	Nunavut	Corporate	Office Supplies	Binders and Binder Accessories	Angle-D Binders with Locking Rings Label Holders	Small Box	0.1		2	98	613 40711	High	22	905.0800	0.09	Regular Air	127.7000	42.76	...	Carl Jackson	Nunavut	Nunavut	Corporate	Office Supplies	Storage & Organization	SAFCO Mobile Desk Side File, Wire Frame	Small Box	Ne		3	103	643 40626	High	21	2781.8200	0.07	Express Air	-695.2600	138.14	...	Monica Federle	Nunavut	Nunavut	Corporate	Office Supplies	Storage & Organization	SAFCO Commercial Wire Shelving, Black	Large Box	Ne		4	160	995 40693	Medium	46	1815.4900	0.03	Regular Air	782.9100	39.89	...	Neola Schneider	Nunavut	Nunavut	Home Office	Furniture	Office Furnishings	Ultra Commercial Grade Dual Valve Door Closer	Wrap Bag	0.1			1997	2083	14883 40669	Low	47	5126.4180	0.03	Regular Air	1557.6390	125.99	...	Jason Fortune	Alberta	West	Corporate	Technology	Telephones and Communication	i2000	Small Box	0.1		1998	5577	39492 40650	Not Specified	31	5347.9875	0.01	Regular Air	1332.4410	200.99	...	Jason Fortune	Alberta	West	Corporate	Technology	Telephones and Communication	2160i	Small Box	0.1		1999	7586	54279 40754	High	41	10071.0900	0.10	Delivery Truck	1977.6900	264.98	...	Harry Greene	Alberta	West	Corporate	Technology	Office Machines	Panasonic KX-P1131 Dot Matrix Printer	Jumbo Drum	0.1		2000	7906	56550 40641	Not Specified	37	823.7800	0.03	Express Air	343.0500	22.23	...	Frank Hawley	Alberta	West	Home Office	Furniture	Office Furnishings	Executive Impressions 14"	Small Pack	0.1		2001	7907	56550 40641	Not Specified	8	469.8375	0.00	Regular Air	-159.2360	65.99	...	Frank Hawley	Alberta	West	Home Office	Technology	Telephones and Communication	Talkabout T8367	Small Box	0.1		2002 rows × 21 columns																				In [7]:	<pre>gr1=df.groupby(by="Order Priority").sum()</pre>	In [8]:	<pre>gr1</pre>	Out[8]:	<table><tr><th></th><th>Row ID</th><th>Order ID</th><th>Order Date</th><th>Order Quantity</th><th>Sales</th><th>Discount</th><th>Profit</th><th>Unit Price</th><th>Shipping Cost</th><th>Product Base Margin</th><th>Ship Date</th></tr><tr><td>Order Priority</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Critical</td><td>1796252</td><td>12815456</td><td>16778298</td><td></td><td>10304</td><td>690665.2940</td><td>21.02</td><td>60516.622576</td><td>34864.23</td><td>4987.56</td><td>209.06</td></tr><tr><td>High</td><td>1847585</td><td>13187099</td><td>18287838</td><td></td><td>11807</td><td>794342.0610</td><td>22.20</td><td>114083.681477</td><td>37567.84</td><td>5184.87</td><td>222.63</td></tr><tr><td>Low</td><td>1624788</td><td>11592870</td><td>15679871</td><td></td><td>10350</td><td>709560.8215</td><td>19.79</td><td>84084.047207</td><td>26264.56</td><td>5015.72</td><td>192.43</td></tr><tr><td>Medium</td><td>1624590</td><td>11593763</td><td>15026547</td><td></td><td>9280</td><td>565005.0585</td><td>19.37</td><td>50805.727275</td><td>25842.40</td><td>4778.87</td><td>186.16</td></tr><tr><td>Not Specified</td><td>1608122</td><td>11474975</td><td>15762590</td><td></td><td>9823</td><td>677243.4670</td><td>19.36</td><td>71965.907689</td><td>35246.09</td><td>4958.08</td><td>198.44</td></tr></table>		Row ID	Order ID	Order Date	Order Quantity	Sales	Discount	Profit	Unit Price	Shipping Cost	Product Base Margin	Ship Date	Order Priority												Critical	1796252	12815456	16778298		10304	690665.2940	21.02	60516.622576	34864.23	4987.56	209.06	High	1847585	13187099	18287838		11807	794342.0610	22.20	114083.681477	37567.84	5184.87	222.63	Low	1624788	11592870	15679871		10350	709560.8215	19.79	84084.047207	26264.56	5015.72	192.43	Medium	1624590	11593763	15026547		9280	565005.0585	19.37	50805.727275	25842.40	4778.87	186.16	Not Specified	1608122	11474975	15762590		9823	677243.4670	19.36	71965.907689	35246.09	4958.08	198.44	In [6]:	<pre>gr1.groups</pre>	Out[6]:	<pre>{'Critical': [12, 27, 28, 44, 54, 55, 60, 61, 62, 66, 68, 69, 71, 78, 79, 80, 84, 92, 93, 103, 110, 112, 120, 121, 134, 135, 140, 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197, 198, 199, 200, 201, 202, 207, 208, 218, 221, 222, 240, 249, 250, 255, 268, 271, 272, 274, 295, 296, 298, 305, 306, 327, 328, 337, 338, 373, 386, 389, 401, 404, 412, 413, 416, 420, 421, 423, 431, 432, 456, 45 7, 465, 466, 472, 479, 480, 482, 483, 488, 489, 492, 495, 496, 497, 498, 508, 512, 513, 514, 515, 529, 534, ...]}</pre>	In [10]:	<pre>print(gr1)</pre>		<table><tr><th></th><th>Row ID</th><th>Order ID</th><th>Order Date</th><th>Order Quantity</th><th>Sales</th><th>Discount</th><th>Profit</th><th>Unit Price</th><th>Shipping Cost</th><th>Product Base Margin</th><th>Ship Date</th></tr><tr><td>Order Priority</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Critical</td><td>1796252</td><td>12815456</td><td>16778298</td><td></td><td>10304</td><td>690665.2940</td><td>21.02</td><td>60516.622576</td><td>34864.23</td><td>4987.56</td><td>209.06</td></tr><tr><td>High</td><td>1847585</td><td>13187099</td><td>18287838</td><td></td><td>11807</td><td>794342.0610</td><td>22.20</td><td>114083.681477</td><td>37567.84</td><td>5184.87</td><td>222.63</td></tr><tr><td>Low</td><td>1624788</td><td>11592870</td><td>15679871</td><td></td><td>10350</td><td>709560.8215</td><td>19.79</td><td>84084.047207</td><td>26264.56</td><td>5015.72</td><td>192.43</td></tr><tr><td>Medium</td><td>1624590</td><td>11593763</td><td>15026547</td><td></td><td>9280</td><td>565005.0585</td><td>19.37</td><td>50805.727275</td><td>25842.40</td><td>4778.87</td><td>186.16</td></tr><tr><td>Not Specified</td><td>1608122</td><td>11474975</td><td>15762590</td><td></td><td>9823</td><td>677243.4670</td><td>19.36</td><td>71965.907689</td><td>35246.09</td><td>4958.08</td><td>198.44</td></tr></table>		Row ID	Order ID	Order Date	Order Quantity	Sales	Discount	Profit	Unit Price	Shipping Cost	Product Base Margin	Ship Date	Order Priority												Critical	1796252	12815456	16778298		10304	690665.2940	21.02	60516.622576	34864.23	4987.56	209.06	High	1847585	13187099	18287838		11807	794342.0610	22.20	114083.681477	37567.84	5184.87	222.63	Low	1624788	11592870	15679871		10350	709560.8215	19.79	84084.047207	26264.56	5015.72	192.43	Medium	1624590	11593763	15026547		9280	565005.0585	19.37	50805.727275	25842.40	4778.87	186.16	Not Specified	1608122	11474975	15762590		9823	677243.4670	19.36	71965.907689	35246.09	4958.08	198.44		<table><tr><th></th><th>Discount</th><th>Profit</th><th>Unit Price</th><th>Shipping Cost</th><th>Product Base Margin</th><th>Ship Date</th></tr><tr><td>Order Priority</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Critical</td><td>21.02</td><td>60516.622576</td><td>34864.23</td><td>4987.56</td><td>209.06</td><td>16778924</td></tr><tr><td>High</td><td>22.20</td><td>114083.681477</td><td>37567.84</td><td>5184.87</td><td>222.63</td><td>18288464</td></tr><tr><td>Low</td><td>19.79</td><td>84084.047207</td><td>26264.56</td><td>5015.72</td><td>192.43</td><td>15681439</td></tr><tr><td>Medium</td><td>19.37</td><td>50805.727275</td><td>25842.40</td><td>4778.87</td><td>186.16</td><td>15027079</td></tr><tr><td>Not Specified</td><td>19.36</td><td>71965.907689</td><td>35246.09</td><td>4958.08</td><td>198.44</td><td>15763150</td></tr></table>		Discount	Profit	Unit Price	Shipping Cost	Product Base Margin	Ship Date	Order Priority							Critical	21.02	60516.622576	34864.23	4987.56	209.06	16778924	High	22.20	114083.681477	37567.84	5184.87	222.63	18288464	Low	19.79	84084.047207	26264.56	5015.72	192.43	15681439	Medium	19.37	50805.727275	25842.40	4778.87	186.16	15027079	Not Specified	19.36	71965.907689	35246.09	4958.08	198.44	15763150	In [11]:	<pre>gr1=df.groupby(by="Order Priority") print(gr1)</pre>		<p><pandas.core.groupby.generic.DataFrameGroupBy object at 0x00e001B4F47D0400></p>	In [17]:	<pre>gr2=df.groupby(by="Ship Mode").groups</pre>	In [19]:	<pre>gr2</pre>	Out[19]:	<pre>{'Delivery Truck': [12, 23, 26, 36, 42, 52, 54, 56, 59, 64, 69, 76, 79, 84, 86, 99, 103, 117, 126, 131, 137, 138, 145, 146, 163, 165, 170, 179, 180, 194, 208, 237, 239, 239, 248, 253, 269, 273, 281, 282, 289, 292, 298, 310, 311, 316, 325, 332, 334, 335, 337, 344, 346, 349, 369, 370, 372, 373, 377, 379, 382, 383, 40 8, 411, 418, 423, 427, 432, 443, 458, 487, 496, 528, 547, 553, 571, 579, 584, 590, 594, 605, 611, 615, 625, 629, 634, 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135, 136, 139, 140, ...]}</pre>	In [22]:	<pre>gr3=df.groupby(by=["Ship Mode", "Order Priority"]).groups</pre>	In [23]:	<pre>gr3</pre>	Out[23]:	<pre>{('Delivery Truck', 'Critical'): [12, 54, 69, 79, 84, 103, 105, 237, 238, 239, 292, 318, 334, 372, 377, 383, 411, 443, 487, 571, 590, 611, 649, 718, 777, 831, 850, 862, 866, 893, 934, 936, 1028, 1030, 1070, 1134, 1148, 1237, 1330, 1439, 1477, 1549, 1571, 1619, 1647, 1661, 1697, 1745, 1812, 1814, 1853, 1855, 1919, 19 42], ('Delivery Truck', 'High'): [26, 36, 42, 56, 86, 126, 131, 137, 138, 163, 310, 311, 344, 346, 349, 382, 458, 547, 634, 645, 694, 711, 751, 752, 765, 838, 927, 1041, 1050, 1063, 1078, 1084, 1156, 1161, 1166, 1198, 1219, 1255, 1382, 1418, 1461, 1519, 1600, 1626, 1649, 1737, 1739, 1755, 1799, 1815, 1946, 1950, 199 9], ('Delivery Truck', 'Low'): [117, 180, 248, 253, 282, 325, 332, 335, 369, 370, 379, 403, 528, 579, 594, 625, 635, 636, 650, 708, 710, 803, 829, 876, 893, 9 30, 935, 1045, 1059, 1086, 1145, 1188, 1196, 1224, 1278, 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	Row ID	Order ID	Order Date	Order Priority	Order Quantity	Sales	Discount	Ship Mode	Profit	Unit Price	...	Customer Name	Province	Region	Customer Segment	Product Category	Product Sub-Category	Product Name	Product Container	Product Base Margin																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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	4	160	995 40693	Medium	46	1815.4900	0.03	Regular Air	782.9100	39.89	...	Neola Schneider	Nunavut	Nunavut	Home Office	Furniture	Office Furnishings	Ultra Commercial Grade Dual Valve Door Closer	Wrap Bag	0.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	1997	2083	14883 40669	Low	47	5126.4180	0.03	Regular Air	1557.6390	125.99	...	Jason Fortune	Alberta	West	Corporate	Technology	Telephones and Communication	i2000	Small Box	0.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	1998	5577	39492 40650	Not Specified	31	5347.9875	0.01	Regular Air	1332.4410	200.99	...	Jason Fortune	Alberta	West	Corporate	Technology	Telephones and Communication	2160i	Small Box	0.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	1999	7586	54279 40754	High	41	10071.0900	0.10	Delivery Truck	1977.6900	264.98	...	Harry Greene	Alberta	West	Corporate	Technology	Office Machines	Panasonic KX-P1131 Dot Matrix Printer	Jumbo Drum	0.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	2000	7906	56550 40641	Not Specified	37	823.7800	0.03	Express Air	343.0500	22.23	...	Frank Hawley	Alberta	West	Home Office	Furniture	Office Furnishings	Executive Impressions 14"	Small Pack	0.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	2001	7907	56550 40641	Not Specified	8	469.8375	0.00	Regular Air	-159.2360	65.99	...	Frank Hawley	Alberta	West	Home Office	Technology	Telephones and Communication	Talkabout T8367	Small Box	0.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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