visualization tutorial

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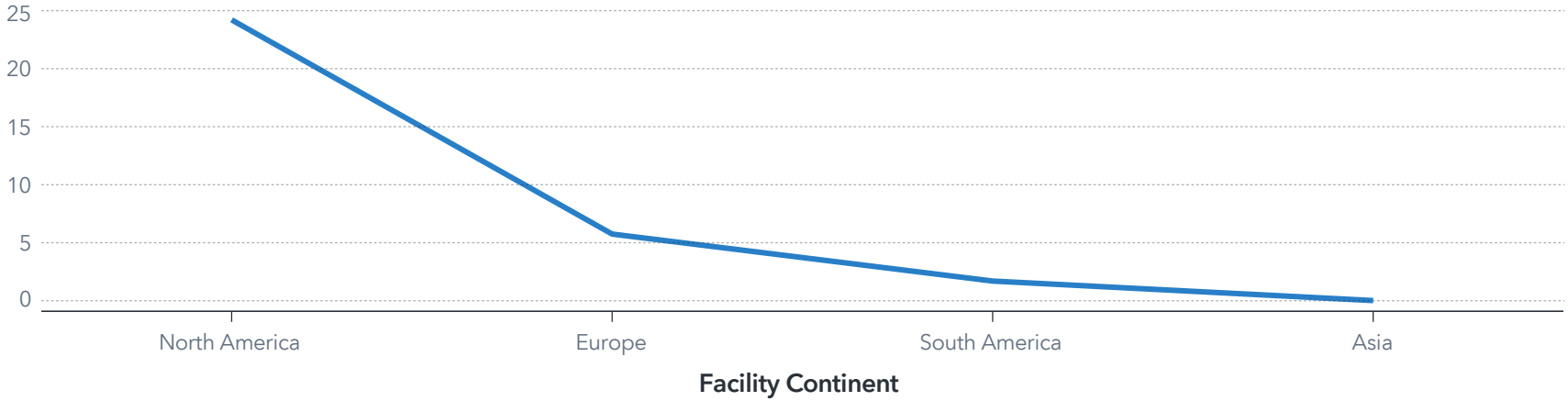
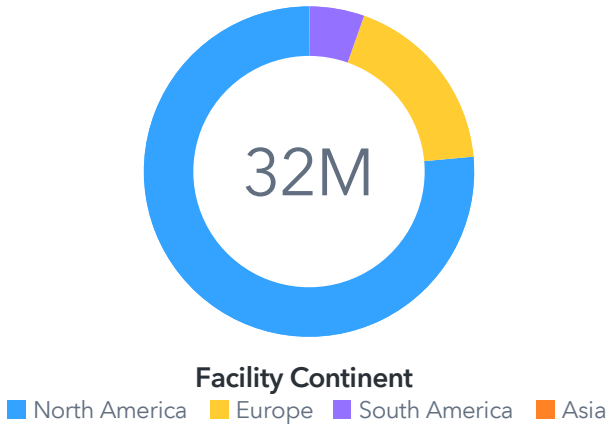
Product Sale by Facility Continent

Product Sale (millions)

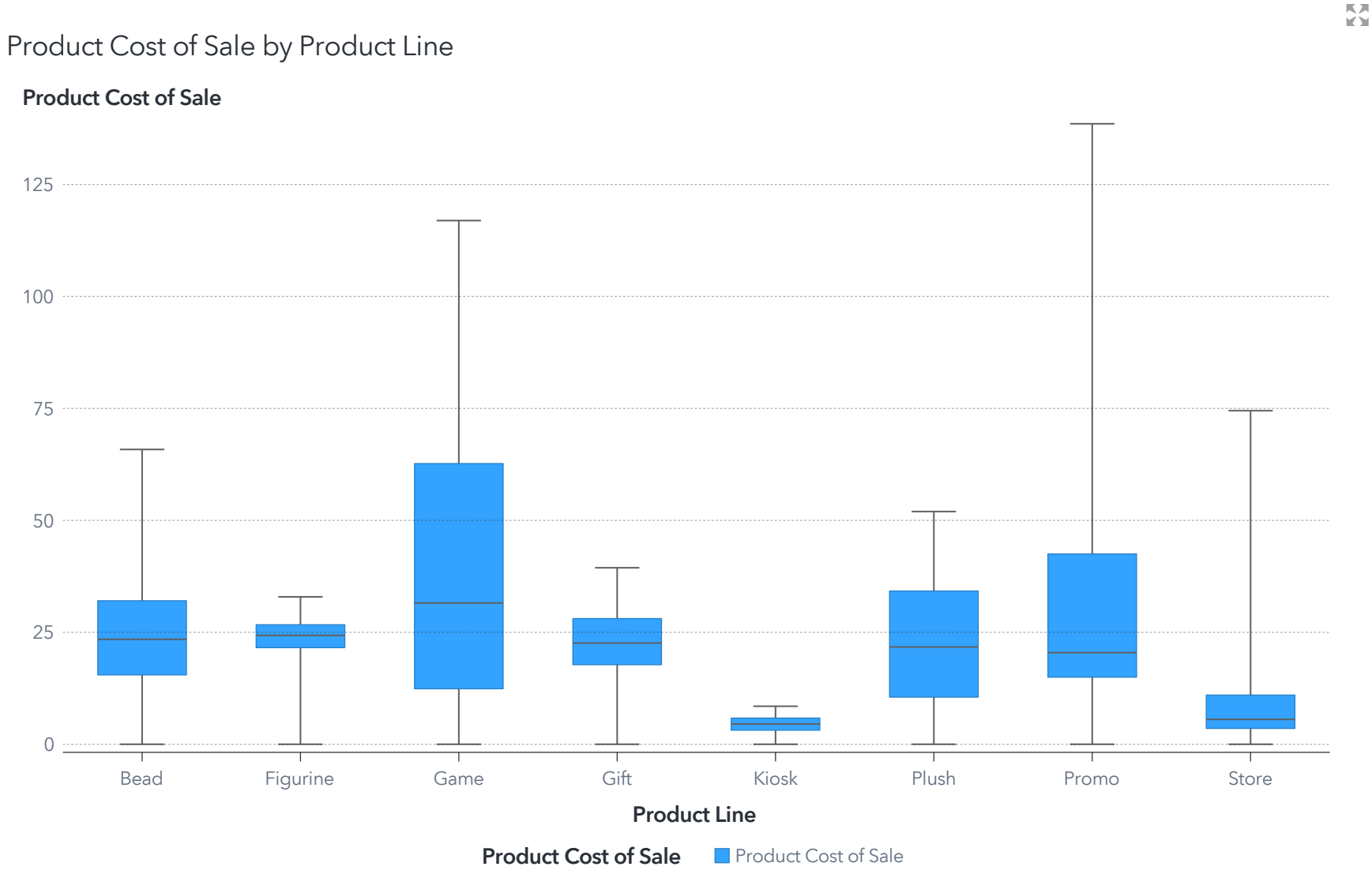


Product Sale by Facility Continent

Product Sale



Product Cost of Sale by Product Line.



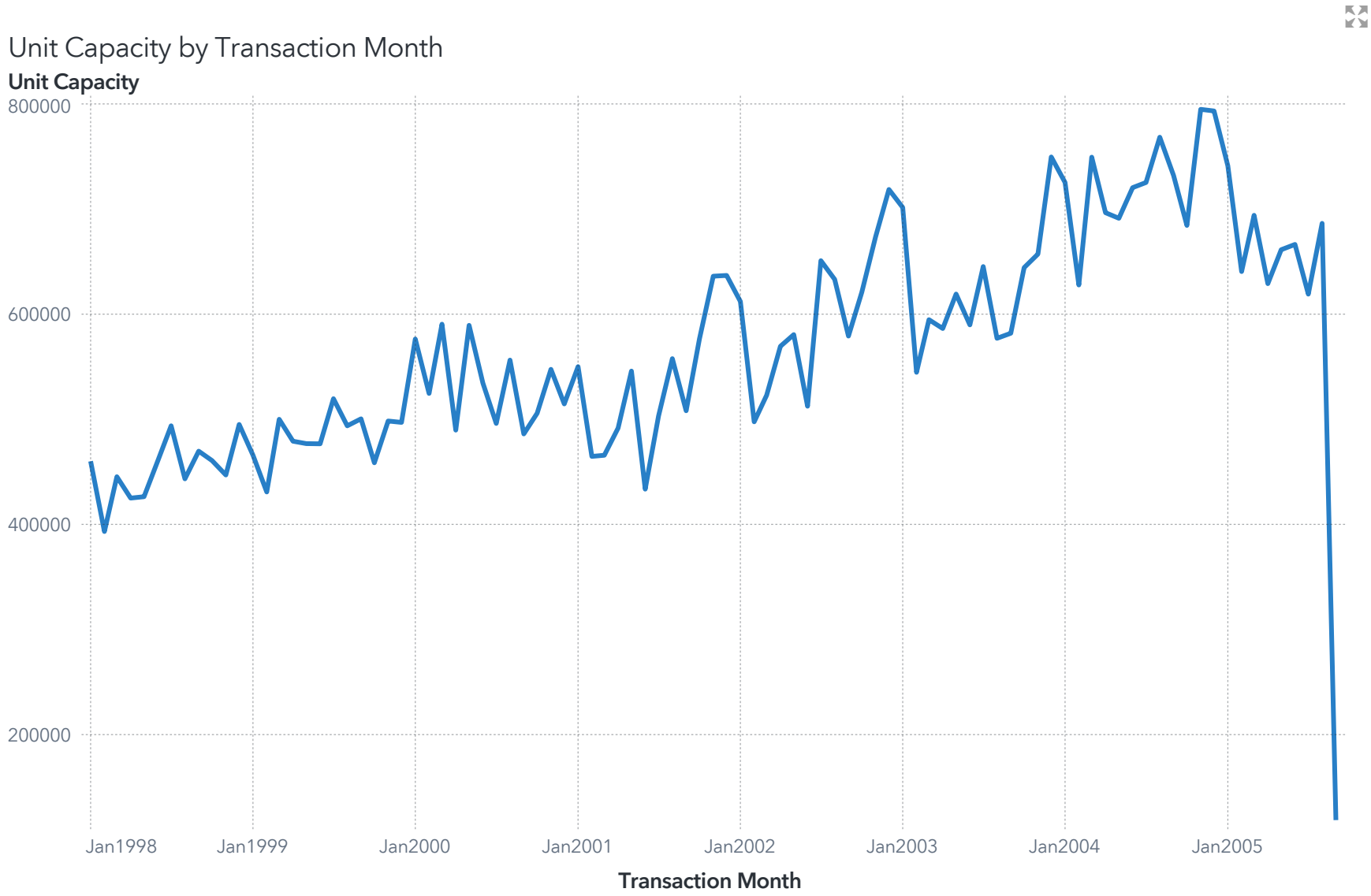
Product Cost of Sale by Facility Continent.

Product Cost of Sale by Facility Continent

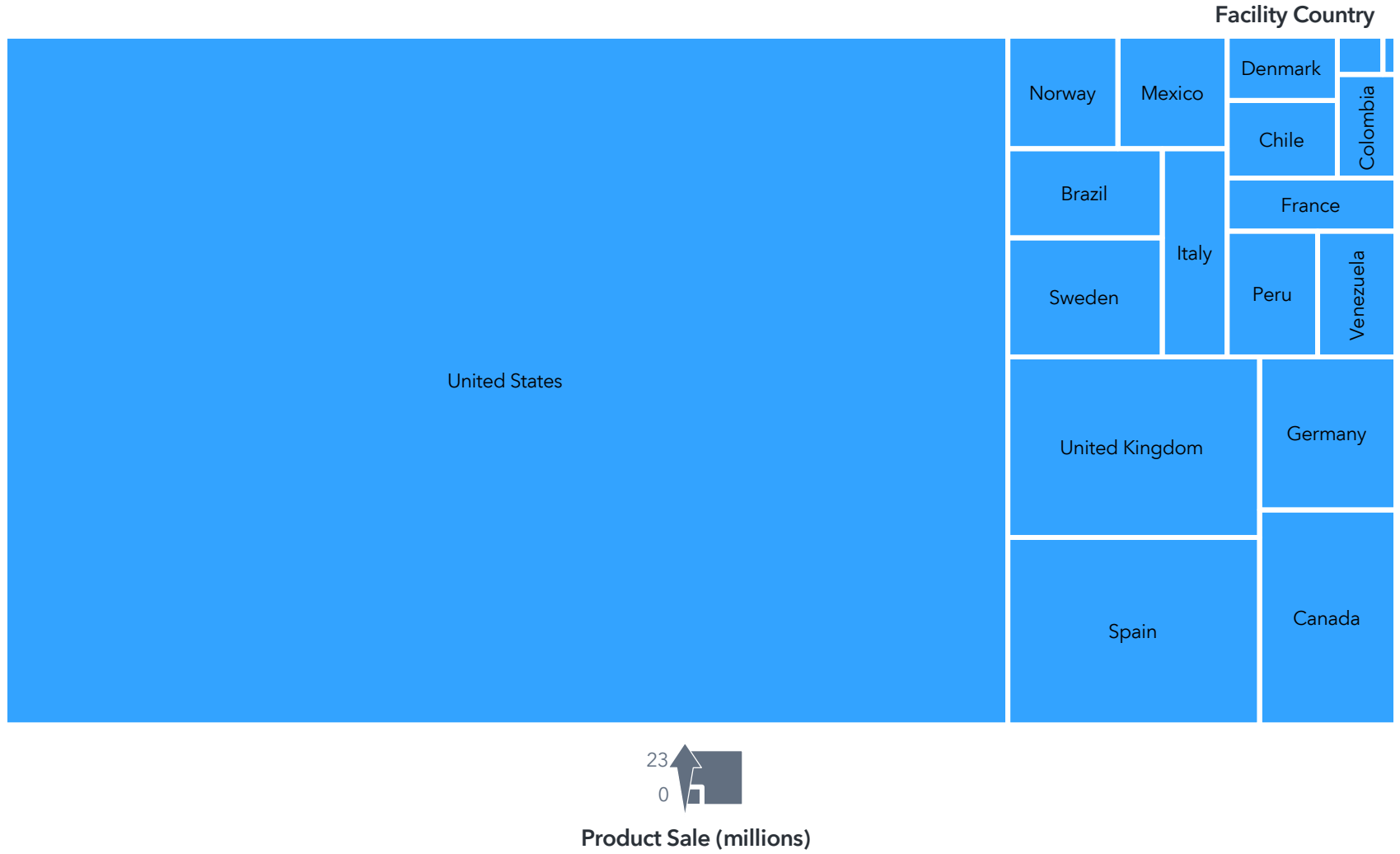
14195.9 659535.4

Product Cost of Sale

Unit Capacity by Transaction Month



Product Sale by Facility Country



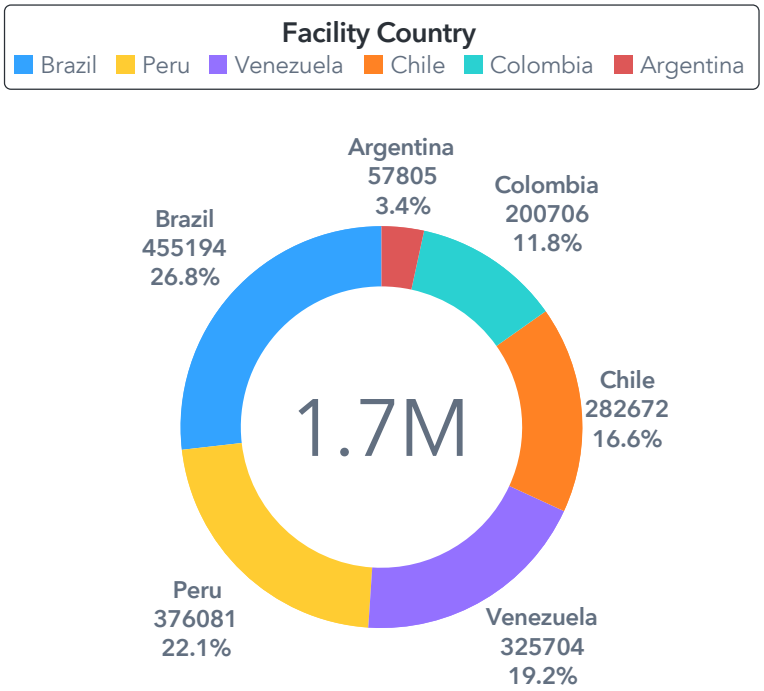
Question5a

Bar chart is better than cross tab and pie chart as we czn see product sale by country in easy and clear well . In ascending and descending order and also most importantly difference in figure is more clear

question 5b

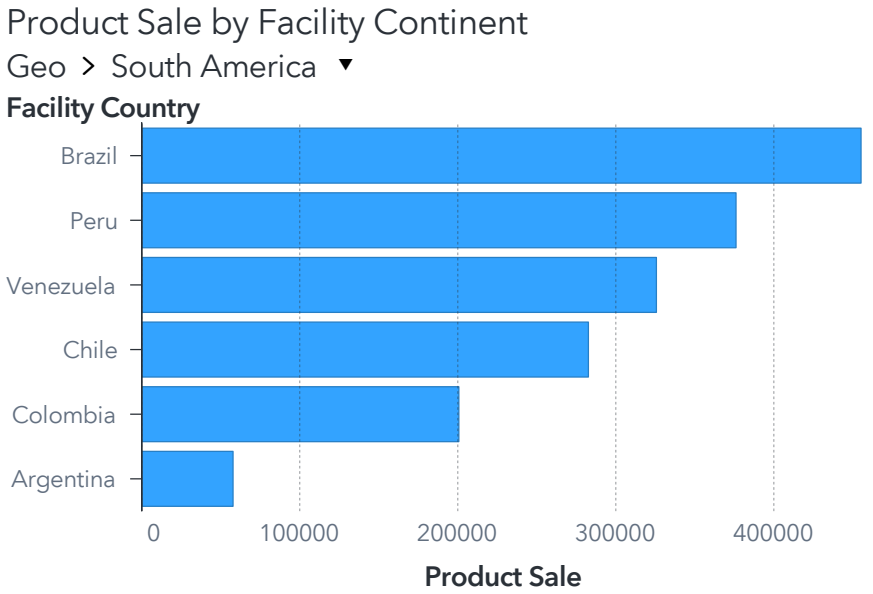
Product Sale by Facility Continent

Geo > South America



A1.1

question 5c



A2.1

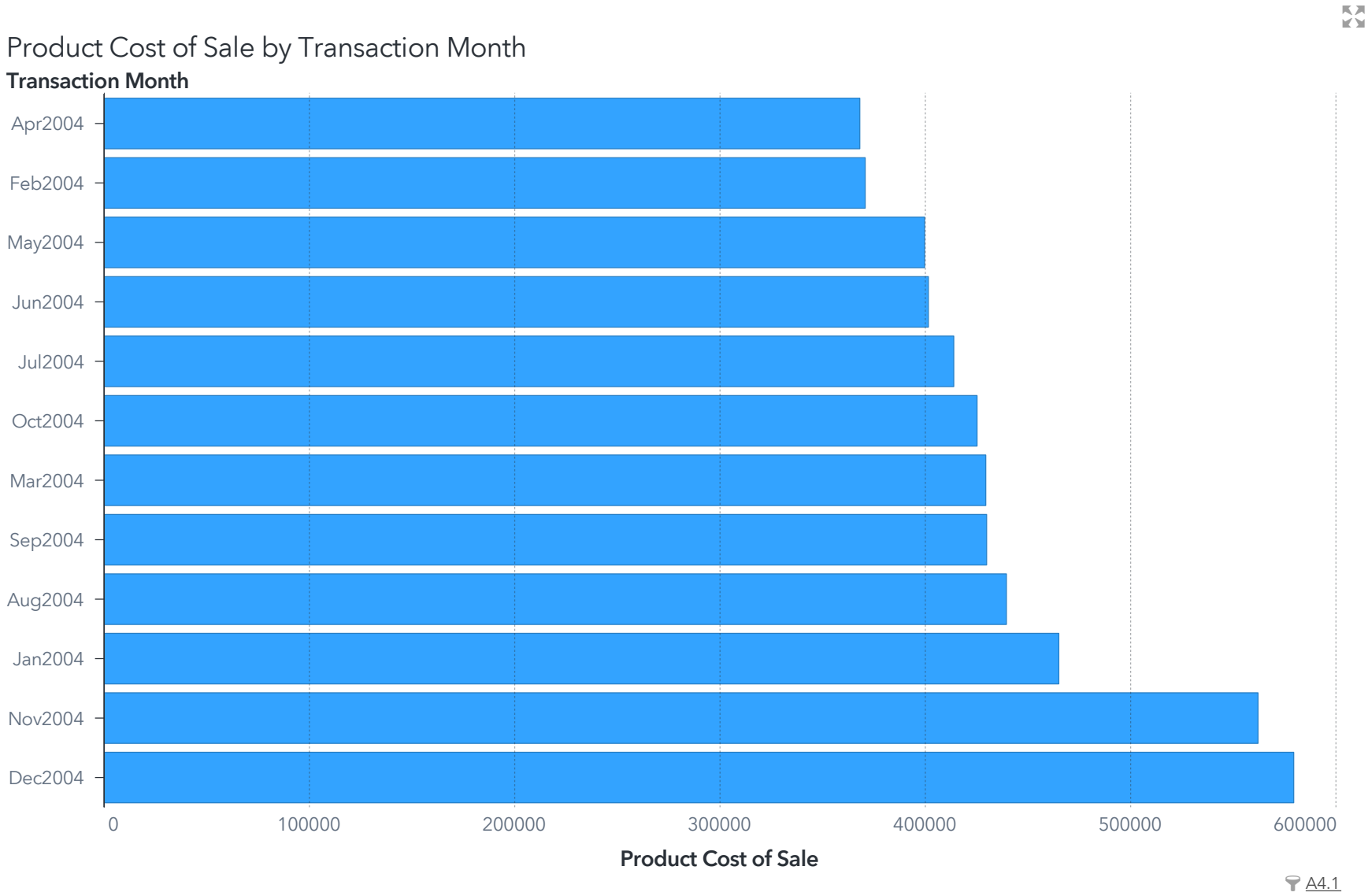
question 5d

Geo > South America ▼

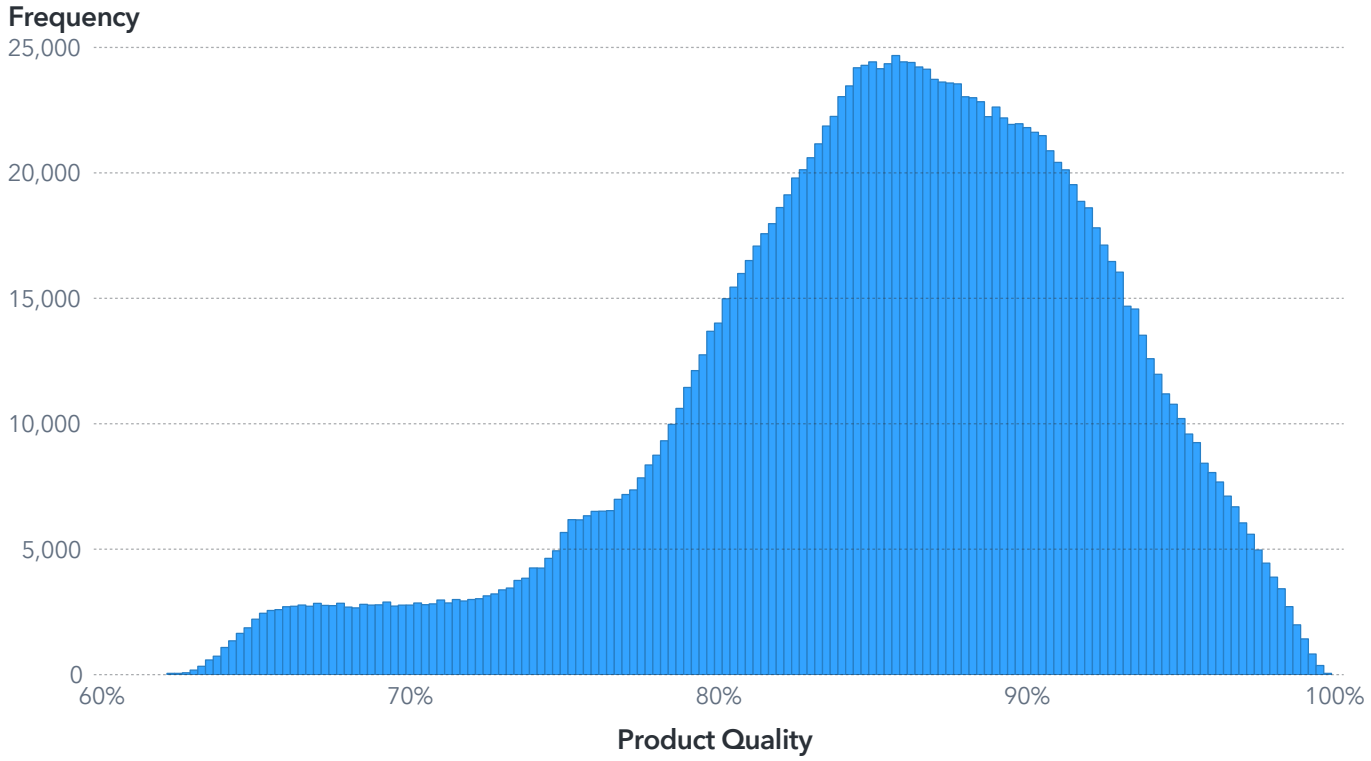
Facility Country ▲	Product Sale
Argentina	57805
Brazil	455194
Chile	282672
Colombia	200706
Peru	376081
Venezuela	325704

A3.1

Question 6


Product Cost of Sale by Transaction Month
Transaction Month
Apr2004
Feb2004
May2004
Jun2004
Jul2004
Oct2004
Mar2004
Sep2004
Aug2004
Jan2004
Nov2004
Dec2004
0
100000
200000
300000
400000
500000
600000
Product Cost of Sale
A4.1

BI Report1

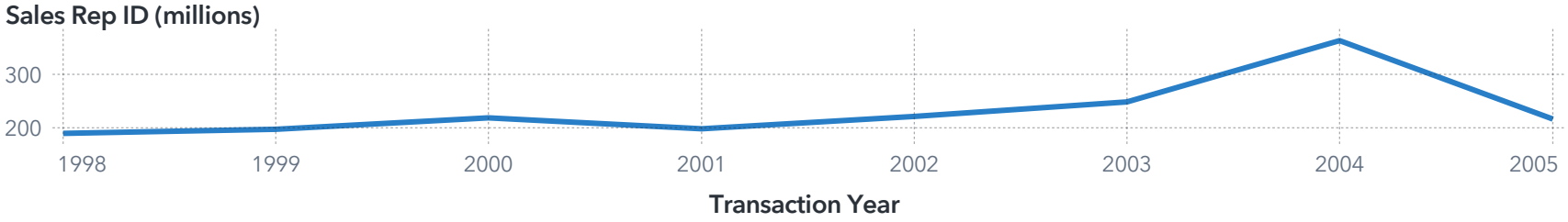


We can see majority of product meet 75-95 percent good qualitty mark

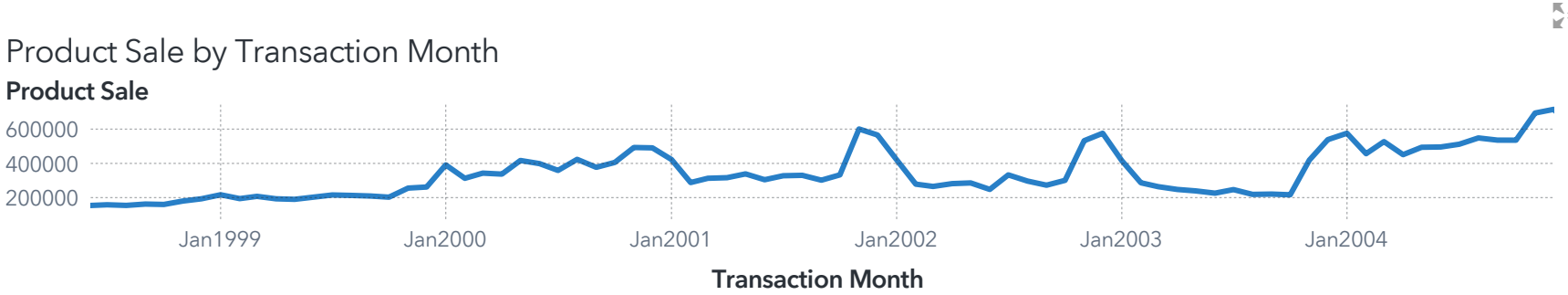
BI Report2

Some charts to see timely progress of buisiness

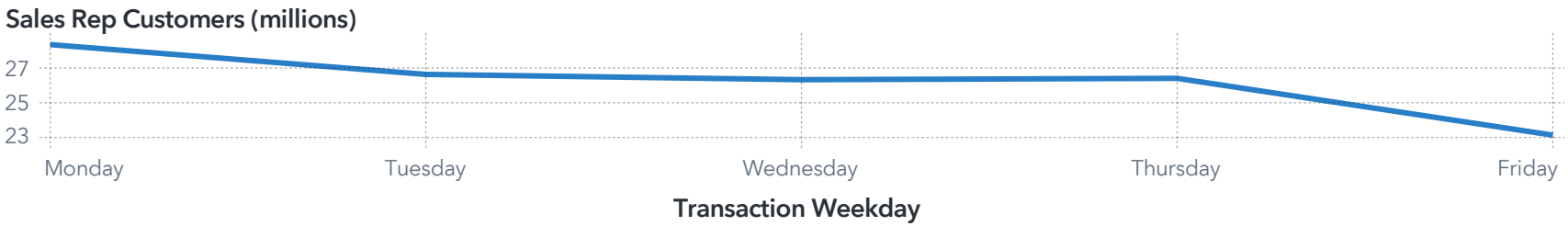
Sales Rep ID by Transaction Year



Product Sale by Transaction Month

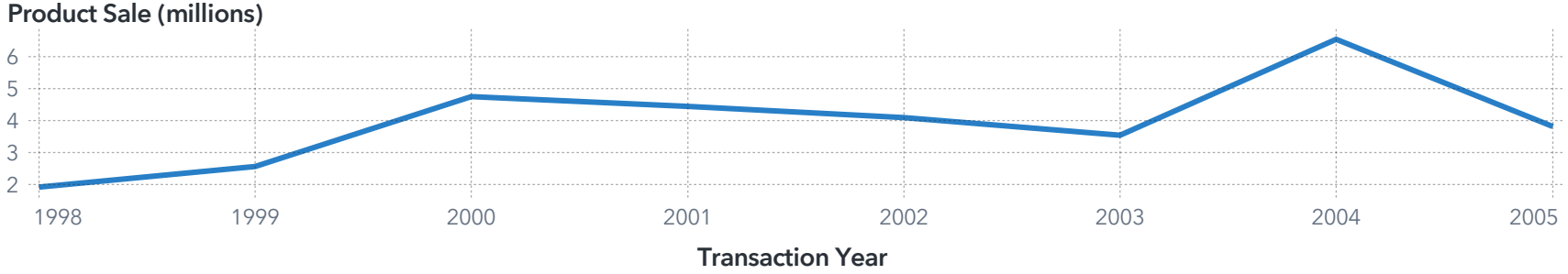


Sales Rep Customers by Transaction Weekday

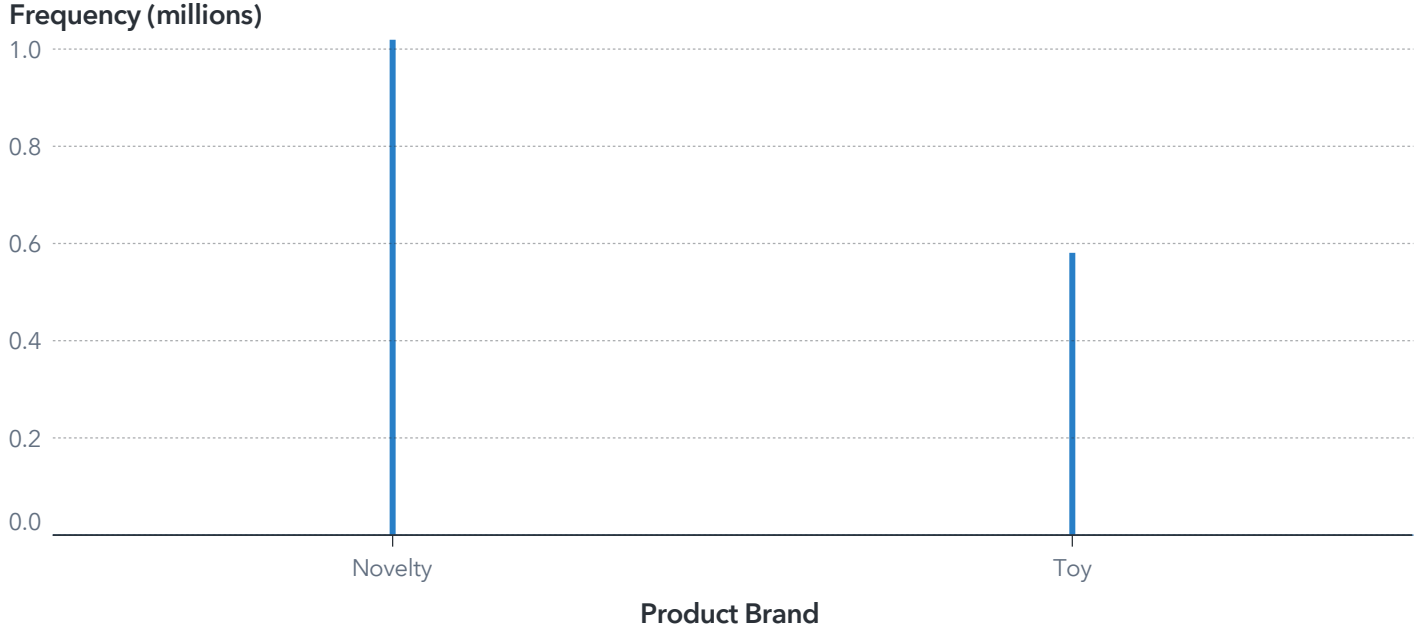


BI report3

Product Sale by Transaction Year

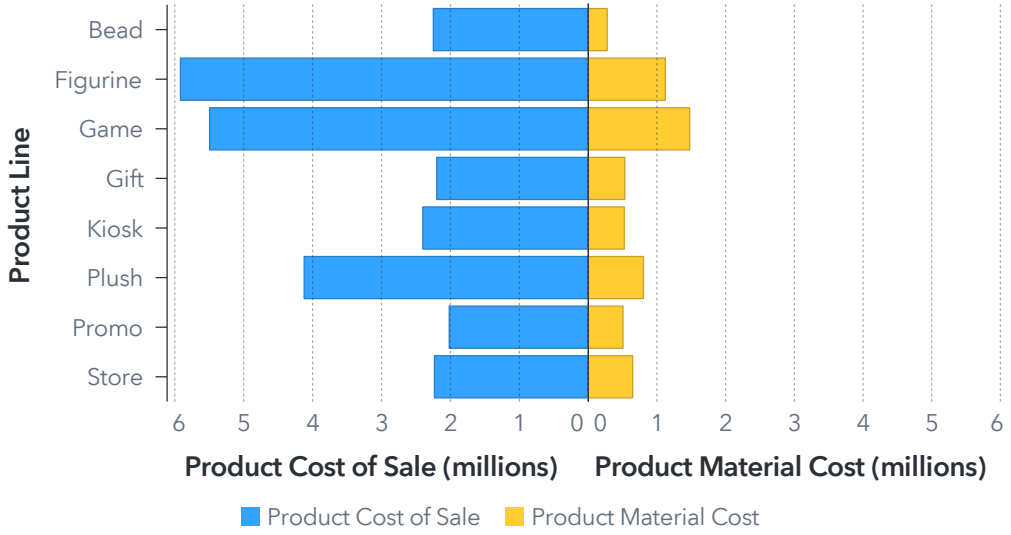


Frequency of Product Brand

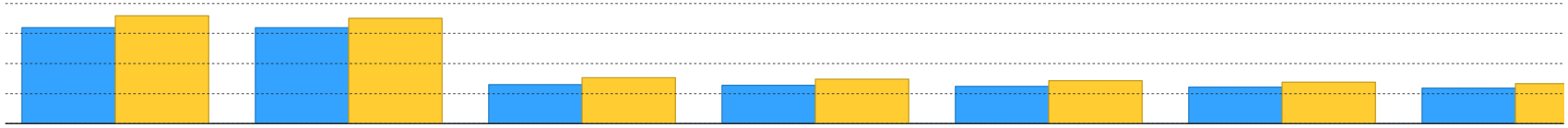


BI report 4

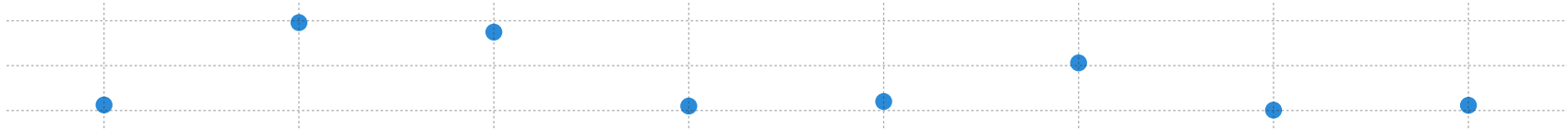
Product Cost of Sale, Product Material Cost by Product Line



Product Sale, Product Price (target) by Product Line



Product Cost of Sale by Product Line



Appendix

A1.1 Product Sale by Facility Continent

Drill Levels: Geo: South America

A2.1 Product Sale by Facility Continent

Drill Levels: Geo: South America

A3.1 Crosstab - Geo 1

Drill Levels: Geo: South America

A4.1 Product Cost of Sale by Transaction Month

Filters: (Transaction Year BetweenInclusive(2004; 2004)) OR Transaction Year Missing
Facility City In('Atlanta'; 'Barcelona'; 'Baton Rouge'; 'Beijing'; 'Belo Horizonte'; 'Berlin'; 'Billings'; 'Birmingham'; 'Bismarck'; 'Bogota'; 'Boise'; 'Buenos Aires'; 'Buffalo'; 'Caracas'; 'Charleston'; 'Charlotte'; 'Cheyenne'; 'Chicago'; 'Cleveland'; 'Colorado Springs'; 'Columbia'; 'Columbus'; 'Copenhagen'; 'Dallas'; 'Denver'; 'Des Moines'; 'Detroit'; 'Fort Worth'; 'Fresno'; 'Guadalajara'; 'Hamburg'; 'Houston'; 'Indianapolis'; 'Jackson'; 'Jacksonville'; 'Jefferson City'; 'Kansas City'; 'Lansing'; 'Las Vegas'; 'Lima'; 'Lincoln'; 'Little Rock'; 'London'; 'Long Beach'; 'Louisville'; 'Madison'; 'Madrid'; 'Manchester'; 'Mexico City'; 'Miami'; 'Milwaukee'; 'Minneapolis'; 'Nashville'; 'New Orleans'; 'New York'; 'Oakland'; 'Oklahoma City'; 'Olympia'; 'Omaha'; 'Orlando'; 'Oslo'; 'Paris'; 'Philadelphia'; 'Phoenix'; 'Pierre'; 'Pittsburgh'; 'Portland'; 'Raleigh'; 'Reno'; 'Richmond'; 'Rio de Janeiro'; 'Rome'; 'Sacramento'; 'Salem'; 'Salt Lake City'; 'San Antonio'; 'San Diego'; 'San Francisco'; 'San Jose'; 'Santa Fe'; 'S...

Line - Facility Continent 1 Supplement 1

Facility Continent	Product Sale
North America	24207969
Europe	5745601
South America	1698161
Asia	16645

Pie - Facility Continent 1 Supplement 1

Facility Continent	Product Sale
North America	24207969
Europe	5745601
South America	1698161
Asia	16645

Box - Product Line 1 Supplement 1

Product Line ▲	Minimum	Lower Whisker	First Quartile	Average	Median	Third Quartile	Upper Whisker	Maximum	Std Dev	Count
Bead	0	0	15	25	23	32	66	66	15	88,295
Figurine	0	0	22	23	24	27	33	33	7	255,845
Game	0	0	12	39	32	63	117	117	30	140,903
Gift	0	0	18	22	23	28	39	39	9	100,235
Kiosk	0	0	3	4	5	6	8	8	2	555,072
Plush	0	0	11	22	22	34	52	52	13	184,075
Promo	0	0	15	31	20	43	139	139	27	64,562
Store	0	0	4	11	6	11	74	74	14	211,013

Facility Continent	Product Cost of Sale
Asia	14196
North America	15952
North America	25064
North America	41641
South America	46307
North America	53806
North America	60298
North America	65363
North America	67979
South America	70131
North America	73729
North America	80486
North America	89596
North America	91691
North America	102322
North America	106783
North America	107437
North America	107878
North America	112115
North America	112906
North America	116165
North America	124991
North America	126276
North America	130392
North America	133190
South America	137147

Facility Continent	Product Cost of Sale
North America	146866
North America	150478
North America	151625
North America	154724
North America	155707
South America	162270
South America	164101
North America	165465
North America	167070
North America	169387
North America	174889
North America	177659
North America	181752
Europe	197158
North America	207392
North America	210215
North America	223423
South America	229140
North America	240306
Europe	251170
North America	251458
North America	260433
North America	265778
South America	266326
North America	269002
Europe	273783

Facility Continent	Product Cost of Sale
North America	276350
North America	280424
North America	280468
North America	285301
North America	303251
South America	303810
Europe	305868
North America	310709
North America	312696
North America	322342
North America	322681
North America	324626
Europe	339193
North America	340047
North America	340350
North America	344467
North America	350824
North America	351706
North America	357979
North America	368437
Europe	373401
North America	373869
North America	375709
North America	377677
North America	379390
North America	400527

Facility Continent	Product Cost of Sale
North America	402152
Europe	403584
North America	411043
Europe	415953
North America	416401
North America	440798
North America	440840
North America	458764
North America	464231
North America	481294
Europe	492627
North America	504598
Europe	509067
North America	527196
North America	531172
North America	559909
North America	563091
North America	564323
North America	599754
Europe	602785
Europe	659535

Transaction Month	Unit Capacity
Jan1998	460067
Feb1998	393208
Mar1998	445339
Apr1998	425001
May1998	426336
Jun1998	460409
Jul1998	493792
Aug1998	443329
Sep1998	469653
Oct1998	460698
Nov1998	447005
Dec1998	495059
Jan1999	465895
Feb1999	430831
Mar1999	499977
Apr1999	479137
May1999	476836
Jun1999	476658
Jul1999	519578
Aug1999	493752
Sep1999	500427
Oct1999	458589
Nov1999	498348
Dec1999	497028
Jan2000	576335
Feb2000	524562

Transaction Month	Unit Capacity
Mar2000	590461
Apr2000	489673
May2000	589356
Jun2000	534412
Jul2000	496017
Aug2000	556299
Sep2000	486036
Oct2000	505746
Nov2000	547507
Dec2000	514598
Jan2001	550055
Feb2001	464680
Mar2001	465762
Apr2001	491606
May2001	545858
Jun2001	433498
Jul2001	503166
Aug2001	557677
Sep2001	508096
Oct2001	576518
Nov2001	636105
Dec2001	636828
Jan2002	612065
Feb2002	497578
Mar2002	522861
Apr2002	569441

Transaction Month	Unit Capacity
May2002	580518
Jun2002	512407
Jul2002	650873
Aug2002	633080
Sep2002	579153
Oct2002	620888
Nov2002	673570
Dec2002	718609
Jan2003	701485
Feb2003	544654
Mar2003	594735
Apr2003	586325
May2003	619135
Jun2003	589782
Jul2003	645281
Aug2003	577016
Sep2003	581823
Oct2003	644270
Nov2003	657132
Dec2003	749541
Jan2004	725299
Feb2004	627741
Mar2004	749363
Apr2004	696516
May2004	691201
Jun2004	720352

Transaction Month	Unit Capacity
Jul2004	725245
Aug2004	768341
Sep2004	731903
Oct2004	684404
Nov2004	794840
Dec2004	793280
Jan2005	741128
Feb2005	640533
Mar2005	694040
Apr2005	629000
May2005	661291
Jun2005	666343
Jul2005	619028
Aug2005	686382
Sep2005	118671

Facility Country	Product Sale
Argentina	57805
Brazil	455194
Canada	969520
Chile	282672
China	16645
Colombia	200706
Denmark	234614
France	296303
Germany	689530
Italy	445738
Mexico	406205
Norway	409697
Peru	376081
Spain	1560412
Sweden	607665
United Kingdom	1501642
United States	22832243
Venezuela	325704

Geo > South America ▼

Facility Country ▲	Product Sale ▼
Brazil	455194
Peru	376081
Venezuela	325704
Chile	282672
Colombia	200706
Argentina	57805

Bar - Geo 1 Supplement 1

Geo > South America ▼

Facility Country ▲	Product Sale ▼
Brazil	455194
Peru	376081
Venezuela	325704
Chile	282672
Colombia	200706
Argentina	57805

Bar - Transaction Month 1 Supplement 1

Transaction Month	Product Cost of Sale
Apr2004	368090
Feb2004	370710
May2004	399657
Jun2004	401491
Jul2004	413851
Oct2004	425199
Mar2004	429440
Sep2004	429857
Aug2004	439499
Jan2004	465011
Nov2004	562055
Dec2004	579427

Product Quality (lower)	Product Quality (upper)	Frequency
62%	62%	3
62%	63%	21
63%	63%	74
63%	63%	181
63%	63%	333
63%	64%	585
64%	64%	735
64%	64%	1,082
64%	64%	1,347
64%	65%	1,644
65%	65%	1,865
65%	65%	2,210
65%	65%	2,446
65%	66%	2,557
66%	66%	2,590
66%	66%	2,706
66%	66%	2,725
66%	67%	2,773
67%	67%	2,726
67%	67%	2,841
67%	67%	2,759
67%	68%	2,751
68%	68%	2,844
68%	68%	2,692
68%	68%	2,660
68%	69%	2,802

Product Quality (lower)	Product Quality (upper)	Frequency
69%	69%	2,772
69%	69%	2,782
69%	69%	2,892
69%	70%	2,733
70%	70%	2,770
70%	70%	2,772
70%	70%	2,855
70%	71%	2,788
71%	71%	2,820
71%	71%	2,974
71%	71%	2,857
71%	72%	2,993
72%	72%	2,936
72%	72%	2,994
72%	72%	3,026
72%	73%	3,140
73%	73%	3,216
73%	73%	3,378
73%	73%	3,451
73%	74%	3,754
74%	74%	3,843
74%	74%	4,252
74%	74%	4,247
74%	75%	4,634
75%	75%	4,935
75%	75%	5,665

Product Quality (lower)	Product Quality (upper)	Frequency
75%	75%	6,177
75%	76%	6,169
76%	76%	6,332
76%	76%	6,507
76%	76%	6,516
76%	77%	6,537
77%	77%	6,988
77%	77%	7,179
77%	77%	7,362
77%	78%	7,842
78%	78%	8,357
78%	78%	8,746
78%	78%	9,321
78%	79%	9,974
79%	79%	10,611
79%	79%	11,447
79%	79%	12,118
79%	80%	12,747
80%	80%	13,685
80%	80%	14,012
80%	80%	14,981
80%	81%	15,444
81%	81%	15,988
81%	81%	16,505
81%	81%	17,081
81%	82%	17,574

Product Quality (lower)	Product Quality (upper)	Frequency
82%	82%	17,975
82%	82%	18,618
82%	82%	19,123
82%	83%	19,795
83%	83%	20,124
83%	83%	20,603
83%	83%	21,156
83%	84%	21,867
84%	84%	22,250
84%	84%	23,038
84%	84%	23,466
84%	85%	24,189
85%	85%	24,287
85%	85%	24,424
85%	85%	24,152
85%	86%	24,350
86%	86%	24,677
86%	86%	24,425
86%	86%	24,401
86%	87%	24,221
87%	87%	24,132
87%	87%	23,728
87%	87%	23,620
87%	88%	23,582
88%	88%	23,547
88%	88%	23,034

Product Quality (lower)	Product Quality (upper)	Frequency
88%	88%	22,995
88%	89%	22,836
89%	89%	22,241
89%	89%	22,623
89%	89%	22,190
89%	90%	21,931
90%	90%	21,958
90%	90%	21,805
90%	90%	21,618
90%	91%	21,485
91%	91%	20,880
91%	91%	20,418
91%	91%	20,121
91%	92%	19,530
92%	92%	18,864
92%	92%	18,607
92%	92%	17,809
92%	93%	17,121
93%	93%	16,467
93%	93%	16,043
93%	93%	14,684
93%	94%	14,573
94%	94%	13,528
94%	94%	12,593
94%	94%	11,972
94%	95%	11,190

Product Quality (lower)	Product Quality (upper)	Frequency
95%	95%	10,777
95%	95%	10,207
95%	95%	9,590
95%	96%	9,249
96%	96%	8,426
96%	96%	8,055
96%	96%	7,679
96%	97%	7,115
97%	97%	6,689
97%	97%	6,048
97%	97%	5,595
97%	98%	4,966
98%	98%	4,444
98%	98%	3,885
98%	98%	3,423
98%	99%	2,710
99%	99%	1,985
99%	99%	1,424
99%	99%	822
99%	100%	363
100%	100%	51

Transaction Year	Sales Rep ID
1998	189588071
1999	197255773
2000	218630887
2001	198198932
2002	221315435
2003	248415603
2004	363070826
2005	216410909

Transaction Month	Product Sale
Jan1998	173197
Feb1998	142799
Mar1998	154668
Apr1998	144096
May1998	142060
Jun1998	153747
Jul1998	158293
Aug1998	154668
Sep1998	162443
Oct1998	160225
Nov1998	180236
Dec1998	193342
Jan1999	216736
Feb1999	194364
Mar1999	207487
Apr1999	193120
May1999	190215
Jun1999	203187
Jul1999	215502
Aug1999	212933
Sep1999	209614
Oct1999	202763
Nov1999	255735
Dec1999	262083
Jan2000	391275
Feb2000	312985

Transaction Month	Product Sale
Mar2000	343091
Apr2000	337435
May2000	416953
Jun2000	398755
Jul2000	358997
Aug2000	423597
Sep2000	377039
Oct2000	405606
Nov2000	492892
Dec2000	490789
Jan2001	422659
Feb2001	288179
Mar2001	313142
Apr2001	316492
May2001	338734
Jun2001	304608
Jul2001	327917
Aug2001	330329
Sep2001	302036
Oct2001	333031
Nov2001	600960
Dec2001	565720
Jan2002	420964
Feb2002	278850
Mar2002	265437
Apr2002	281731

Transaction Month	Product Sale
May2002	285935
Jun2002	248091
Jul2002	332929
Aug2002	296845
Sep2002	272637
Oct2002	300948
Nov2002	532612
Dec2002	576070
Jan2003	416039
Feb2003	286775
Mar2003	264058
Apr2003	247784
May2003	239240
Jun2003	226231
Jul2003	247021
Aug2003	218969
Sep2003	220716
Oct2003	216626
Nov2003	419220
Dec2003	538842
Jan2004	576088
Feb2004	456570
Mar2004	527201
Apr2004	451035
May2004	494180
Jun2004	495807

Transaction Month	Product Sale
Jul2004	511956
Aug2004	548665
Sep2004	535873
Oct2004	535572
Nov2004	694198
Dec2004	715511
Jan2005	612913
Feb2005	473155
Mar2005	494082
Apr2005	406271
May2005	434048
Jun2005	438933
Jul2005	415907
Aug2005	463306
Sep2005	75801

Transaction Weekday	Sales Rep Customers
Monday	28344583
Tuesday	26630674
Wednesday	26326526
Thursday	26403709
Friday	23136428

Transaction Year	Product Sale
1998	1919776
1999	2563739
2000	4749414
2001	4443806
2002	4093050
2003	3541521
2004	6542656
2005	3814414

Needle - HP 1 Supplement 1

Product Brand	Frequency
Novelty	1,019,177
Toy	580,823

Product Line	Product Cost of Sale	Product Material Cost
Bead	2248518	275991
Figurine	5917882	1121722
Game	5494447	1477148
Gift	2198574	533136
Kiosk	2400721	524394
Plush	4122695	803733
Promo	2017677	506373
Store	2232125	646212

Product Line	Product Sale	Product Price (target)
Plush	6473527	7284354
Figurine	6389029	7179019
Game	6384145	7011467
Kiosk	2595757	3056270
Store	2553265	2957468
Gift	2478142	2855855
Bead	2432001	2759906
Promo	2362510	2662905

Dot - Product Line 1 Supplement 1

Product Line	Product Cost of Sale	Product Material Cost	Product Sale
Bead	2248518	275991	2432001
Figurine	5917882	1121722	6389029
Game	5494447	1477148	6384145
Gift	2198574	533136	2478142
Kiosk	2400721	524394	2595757
Plush	4122695	803733	6473527
Promo	2017677	506373	2362510
Store	2232125	646212	2553265