

PGDM
Advanced Marketing Analytics
DM 531 / IB 531
Trimester –V, End-Term Examination: December 2020

Time allowed: 2 hours and 30 minutes
Max Marks: 50

Roll No: _____

Instruction: Students are required to write models, process, results and interpretations in answer booklet. They are also advised to upload soft copy along with other as advised by Examination department

Section A (attempt any two)

Each carries 15 marks

1.

a) What is Scan*Pro model. How it helps in modeling in trend sales. For the data1.xlsx, the following factors influence daily sales.

- Month of the year
- Trend
- Price (seven different prices)
- Whether product is on display or not (1 for display and 0 for no display)

Exclude any outliers and describe how price, trend, display and seasonality affect daily sales. (CILO-1 and 2)

a) The file “cereal.xls” contains calories, protein, fat, sugar, sodium, fiber, carbs, sugar, and potassium content per ounce for 43 breakfast cereals. Use this data to perform a cluster analysis with four anchors. (CILO-1 and 2)

b) What is ADBUDG forecasting? Where and how it is used? For the data set ADBUDG1.xls, find sales when number of calls are 900 thousand. CILO- 1 and 2

Section B

20 marks CILO-3

(Answer any one of the following)

2. What is Monte Carlo Simulation? Explain the process.

The monthly demand for radial tires at a Auto Shop over the past 120 months are given as

Demand	300	320	340	360	380	400
Frequency	6	12	24	36	30	12

- Depending on competitors' prices and other market conditions, Harry estimates that his average selling price per tire each month follows a discrete uniform distribution between \$80 and \$100.
- Harry’s variable cost per tire also varies each month, depending on material costs and other market conditions. This causes Harry’s average profit margin per tire to vary each month.

Using past data Harry estimates that his profit margin per tire follows a continuous uniform distribution 25% and 30% of the selling price.

- Owner estimates that her fixed cost of stocking and selling tires is \$3000 per month

Using these information's, Simulate and calculate average profit per month from the sale.

3. The file "PB_1.xls" gives the amount 77 representative customers are willing to pay per month for each service. Use solver engine and the willingness to pay data to determine a price for each product combination that maximizes revenue.

Data 1					
Month	Day#	mm/day/year	Price	Display?	actualsales
1	1	01/01/2011	7.52	1	390
1	2	01/02/2011	7.52	0	344
1	3	01/03/2011	5.95	0	636
1	4	01/04/2011	6.2	0	483
1	5	01/05/2011	6.1	0	486
1	6	01/06/2011	6.2	0	490
1	7	01/07/2011	6.98	1	524
1	8	01/08/2011	5.95	0	620
1	9	01/09/2011	7.12	1	416
1	10	01/10/2011	6.98	0	464
1	11	01/11/2011	5.95	1	709
1	12	01/12/2011	7.32	0	370
1	13	01/13/11	5.95	0	630
1	14	01/14/11	7.32	0	362
1	15	01/15/11	5.95	1	686
1	16	01/16/11	6.1	0	501
1	17	01/17/11	7.32	1	396
1	18	01/18/11	5.95	0	619
1	19	01/19/11	7.32	1	392
1	20	01/20/11	6.98	1	521
1	21	01/21/11	7.12	0	375
1	22	01/22/11	7.32	0	364
1	23	01/23/11	6.1	1	559
1	24	01/24/11	7.32	0	360
1	25	01/25/11	7.12	0	374
1	26	01/26/11	6.98	0	491
1	27	01/27/11	7.32	0	353
1	28	01/28/11	7.12	0	360
1	29	01/29/11	5.95	0	643
1	30	01/30/11	7.32	0	366
1	31	01/31/11	6.98	0	474
2	32	02/01/2011	7.12	0	378
2	33	02/02/2011	6.2	0	481
2	34	02/03/2011	6.1	0	499
2	35	02/04/2011	7.12	0	382
2	36	02/05/2011	6.1	0	496
2	37	02/06/2011	7.12	0	372
2	38	02/07/2011	6.98	0	495
2	39	02/08/2011	6.98	0	499
2	40	02/09/2011	6.98	0	488

2	41	02/10/2011	7.12	0	382
2	42	02/11/2011	6.2	0	505
2	43	02/12/2011	7.52	0	361
2	44	02/13/11	6.98	0	480
2	45	02/14/11	5.95	0	635
2	46	02/15/11	7.12	0	382
2	47	02/16/11	6.98	0	485
2	48	02/17/11	5.95	1	721
2	49	02/18/11	6.2	0	483
2	50	02/19/11	6.1	0	499
2	51	02/20/11	6.98	0	488
2	52	02/21/11	5.95	0	630
2	53	02/22/11	5.95	0	659
2	54	02/23/11	6.98	0	474
2	55	02/24/11	5.95	0	636
2	56	02/25/11	5.95	0	632
2	57	02/26/11	6.1	0	519
2	58	02/27/11	7.32	0	363
2	59	02/28/11	7.32	0	360
3	60	03/01/2011	7.32	0	291
3	61	03/02/2011	6.1	0	387
3	62	03/03/2011	7.32	0	284
3	63	03/04/2011	5.95	0	505
3	64	03/05/2011	6.1	0	384
3	65	03/06/2011	6.2	0	389
3	66	03/07/2011	7.32	0	285
3	67	03/08/2011	6.1	1	440
3	68	03/09/2011	6.98	0	373
3	69	03/10/2011	7.12	0	290
3	70	03/11/2011	6.98	0	376
3	71	03/12/2011	7.12	1	320
3	72	03/13/11	7.52	0	273
3	73	03/14/11	5.95	0	512
3	74	03/15/11	5.95	0	489
3	75	03/16/11	6.2	0	379
3	76	03/17/11	6.2	0	398
3	77	03/18/11	7.12	0	299
3	78	03/19/11	7.32	1	309
3	79	03/20/11	6.98	1	408
3	80	03/21/11	6.98	1	429
3	81	03/22/11	5.95	1	550
3	82	03/23/11	7.32	0	291
3	83	03/24/11	7.12	0	297

3	84	03/25/11	6.98	1	431
3	85	03/26/11	6.98	1	416
3	86	03/27/11	6.98	0	386
3	87	03/28/11	7.32	0	289
3	88	03/29/11	6.98	0	383
3	89	03/30/11	7.12	0	292
3	90	03/31/11	6.98	0	375
4	91	04/01/2011	6.1	1	548
4	92	04/02/2011	7.32	0	350
4	93	04/03/2011	6.98	1	524
4	94	04/04/2011	6.2	0	491
4	95	04/05/2011	5.95	0	633
4	96	04/06/2011	5.95	0	632
4	97	04/07/2011	6.98	1	523
4	98	04/08/2011	7.12	1	391
4	99	04/09/2011	7.12	0	362
4	100	04/10/2011	7.52	0	349
4	101	04/11/2011	6.1	0	504
4	102	04/12/2011	7.12	0	357
4	103	04/13/11	5.95	0	623
4	104	04/14/11	5.95	0	639
4	105	04/15/11	6.98	1	533
4	106	04/16/11	6.2	0	471
4	107	04/17/11	5.95	0	614
4	108	04/18/11	6.2	0	490
4	109	04/19/11	6.1	0	481
4	110	04/20/11	5.95	0	638
4	111	04/21/11	7.32	0	362
4	112	04/22/11	7.12	0	362
4	113	04/23/11	5.95	0	638
4	114	04/24/11	7.12	1	412
4	115	04/25/11	6.1	0	486
4	116	04/26/11	7.52	0	353
4	117	04/27/11	7.12	1	392
4	118	04/28/11	5.95	0	634
4	119	04/29/11	5.95	0	609
4	120	04/30/11	6.2	0	494
5	121	05/01/2011	5.95	0	695
5	122	05/02/2011	5.95	0	731
5	123	05/03/2011	7.52	0	408
5	124	05/04/2011	6.98	1	606
5	125	05/05/2011	5.95	0	692
5	126	05/06/2011	6.1	0	550

5	127	05/07/2011	7.52	1	425
5	128	05/08/2011	6.98	1	585
5	129	05/09/2011	6.2	0	545
5	130	05/10/2011	6.98	0	546
5	131	05/11/2011	7.12	0	416
5	132	05/12/2011	7.32	1	444
5	133	05/13/11	7.32	0	407
5	134	05/14/11	6.98	0	539
5	135	05/15/11	5.95	0	721
5	136	05/16/11	6.2	0	556
5	137	05/17/11	7.52	0	388
5	138	05/18/11	5.95	1	805
5	139	05/19/11	7.32	0	407
5	140	05/20/11	5.95	0	726
5	141	05/21/11	7.12	1	468
5	142	05/22/11	7.32	0	416
5	143	05/23/11	6.98	0	527
5	144	05/24/11	6.2	0	536
5	145	05/25/11	7.12	0	407
5	146	05/26/11	7.32	0	416
5	147	05/27/11	5.95	1	762
5	148	05/28/11	5.95	1	780
5	149	05/29/11	7.12	0	416
5	150	05/30/11	6.98	1	606
5	151	05/31/11	7.52	0	392
6	152	06/01/2011	5.95	1	802
6	153	06/02/2011	6.1	0	563
6	154	06/03/2011	7.52	0	390
6	155	06/04/2011	7.12	0	407
6	156	06/05/2011	5.95	0	697
6	157	06/06/2011	6.98	0	543
6	158	06/07/2011	6.98	1	610
6	159	06/08/2011	6.1	1	627
6	160	06/09/2011	7.52	0	392
6	161	06/10/2011	5.95	0	696
6	162	06/11/2011	5.95	0	733
6	163	06/12/2011	6.98	0	558
6	164	06/13/11	6.98	1	591
6	165	06/14/11	7.52	0	389
6	166	06/15/11	6.1	0	556
6	167	06/16/11	7.52	0	397
6	168	06/17/11	5.95	1	801
6	169	06/18/11	6.2	0	548

6	170	06/19/11	5.95	0	703
6	171	06/20/11	6.98	0	548
6	172	06/21/11	5.95	0	720
6	173	06/22/11	6.98	0	539
6	174	06/23/11	6.98	0	541
6	175	06/24/11	7.32	1	454
6	176	06/25/11	6.1	0	560
6	177	06/26/11	7.32	0	400
6	178	06/27/11	5.95	1	813
6	179	06/28/11	6.98	1	609
6	180	06/29/11	5.95	0	706
6	181	06/30/11	6.1	0	549
7	182	07/01/2011	5.95	0	732
7	183	07/02/2011	5.95	0	716
7	184	07/03/2011	5.95	0	710
7	185	07/04/2011	5.95	0	704
7	186	07/05/2011	7.32	0	402
7	187	07/06/2011	5.95	1	786
7	188	07/07/2011	6.98	0	552
7	189	07/08/2011	7.12	0	417
7	190	07/09/2011	6.1	1	628
7	191	07/10/2011	6.98	0	556
7	192	07/11/2011	6.1	1	634
7	193	07/12/2011	5.95	0	721
7	194	07/13/11	7.52	1	444
7	195	07/14/11	6.98	0	556
7	196	07/15/11	7.32	0	410
7	197	07/16/11	6.98	0	560
7	198	07/17/11	6.1	0	571
7	199	07/18/11	5.95	0	720
7	200	07/19/11	7.32	1	439
7	201	07/20/11	5.95	0	730
7	202	07/21/11	7.52	0	402
7	203	07/22/11	6.2	0	555
7	204	07/23/11	6.98	0	543
7	205	07/24/11	7.12	0	421
7	206	07/25/11	6.2	0	544
7	207	07/26/11	7.52	0	390
7	208	07/27/11	7.52	0	406
7	209	07/28/11	6.1	0	575
7	210	07/29/11	6.98	0	537
7	211	07/30/11	6.98	0	533
7	212	07/31/11	5.95	0	733

8	213	08/01/2011	5.95	0	722
8	214	08/02/2011	7.32	0	412
8	215	08/03/2011	7.52	1	441
8	216	08/04/2011	6.98	1	600
8	217	08/05/2011	5.95	1	808
8	218	08/06/2011	6.98	0	538
8	219	08/07/2011	5.95	0	739
8	220	08/08/2011	7.52	0	402
8	221	08/09/2011	7.52	0	402
8	222	08/10/2011	6.98	0	545
8	223	08/11/2011	6.2	1	630
8	224	08/12/2011	7.12	0	417
8	225	08/13/11	6.98	0	535
8	226	08/14/11	6.98	0	534
8	227	08/15/11	7.32	0	418
8	228	08/16/11	7.32	0	405
8	229	08/17/11	6.1	0	565
8	230	08/18/11	5.95	0	715
8	231	08/19/11	7.32	0	402
8	232	08/20/11	6.98	0	547
8	233	08/21/11	6.98	0	536
8	234	08/22/11	7.52	0	399
8	235	08/23/11	6.2	0	562
8	236	08/24/11	6.98	0	545
8	237	08/25/11	5.95	0	712
8	238	08/26/11	6.98	0	557
8	239	08/27/11	6.98	0	534
8	240	08/28/11	5.95	0	743
8	241	08/29/11	6.1	0	567
8	242	08/30/11	6.98	0	543
8	243	08/31/11	7.32	0	405
9	244	09/01/2011	6.98	0	557
9	245	09/02/2011	6.98	1	607
9	246	09/03/2011	5.95	1	786
9	247	09/04/2011	5.95	1	776
9	248	09/05/2011	5.95	0	717
9	249	09/06/2011	7.32	0	412
9	250	09/07/2011	6.98	0	562
9	251	09/08/2011	5.95	0	706
9	252	09/09/2011	6.1	0	569
9	253	09/10/2011	7.52	0	411
9	254	09/11/2011	6.1	0	584
9	255	09/12/2011	7.12	0	417

9	256	09/13/11	6.98	0	544
9	257	09/14/11	6.98	0	542
9	258	09/15/11	6.98	0	549
9	259	09/16/11	5.95	1	795
9	260	09/17/11	5.95	0	706
9	261	09/18/11	7.52	0	400
9	262	09/19/11	7.12	0	413
9	263	09/20/11	5.95	0	706
9	264	09/21/11	6.98	0	536
9	265	09/22/11	7.52	1	434
9	266	09/23/11	6.98	1	615
9	267	09/24/11	6.98	0	566
9	268	09/25/11	6.2	1	634
9	269	09/26/11	7.32	0	412
9	270	09/27/11	6.98	0	547
9	271	09/28/11	5.95	0	723
9	272	09/29/11	5.95	0	718
9	273	09/30/11	6.98	0	535
10	274	10/01/2011	6.98	0	614
10	275	10/02/2011	6.1	0	636
10	276	10/03/2011	7.12	0	473
10	277	10/04/2011	7.32	0	456
10	278	10/05/2011	5.95	0	778
10	279	10/06/2011	6.98	0	619
10	280	10/07/2011	6.1	0	623
10	281	10/08/2011	6.2	0	625
10	282	10/09/2011	6.98	1	651
10	283	10/10/2011	6.1	0	644
10	284	10/11/2011	6.1	1	691
10	285	10/12/2011	7.32	0	456
10	286	10/13/11	5.95	0	785
10	287	10/14/11	6.1	1	680
10	288	10/15/11	7.32	0	450
10	289	10/16/11	6.2	0	625
10	290	10/17/11	6.2	1	665
10	291	10/18/11	6.98	1	675
10	292	10/19/11	6.98	0	600
10	293	10/20/11	7.12	0	478
10	294	10/21/11	5.95	0	778
10	295	10/22/11	7.32	0	449
10	296	10/23/11	6.2	0	633
10	297	10/24/11	6.98	1	659
10	298	10/25/11	6.1	1	672

10	299	10/26/11	7.32	0	471
10	300	10/27/11	7.32	0	456
10	301	10/28/11	6.1	0	614
10	302	10/29/11	6.1	0	623
10	303	10/30/11	5.95	0	795
10	304	10/31/11	5.95	0	825
11	305	11/01/2011	6.1	0	746
11	306	11/02/2011	5.95	0	943
11	307	11/03/2011	6.1	0	727
11	308	11/04/2011	6.1	0	731
11	309	11/05/2011	7.32	1	587
11	310	11/06/2011	7.52	0	519
11	311	11/07/2011	5.95	0	949
11	312	11/08/2011	5.95	0	968
11	313	11/09/2011	7.32	0	547
11	314	11/10/2011	7.52	1	577
11	315	11/11/2011	7.12	1	620
11	316	11/12/2011	6.2	0	721
11	317	11/13/11	7.32	0	546
11	318	11/14/11	6.2	0	741
11	319	11/15/11	7.32	1	608
11	320	11/16/11	6.98	1	791
11	321	11/17/11	6.1	0	767
11	322	11/18/11	5.95	0	930
11	323	11/19/11	7.12	0	547
11	324	11/20/11	7.12	0	556
11	325	11/21/11	7.12	1	619
11	326	11/22/11	7.32	0	536
11	327	11/23/11	5.95	1	1042
11	328	11/24/11	6.2	0	716
11	329	11/25/11	7.32	0	530
11	330	11/26/11	7.32	0	553
11	331	11/27/11	7.32	0	554
11	332	11/28/11	6.2	0	750
11	333	11/29/11	5.95	1	1018
11	334	11/30/11	6.1	1	809
12	335	12/01/2011	6.98	0	909
12	336	12/02/2011	6.1	0	903
12	337	12/03/2011	6.98	0	896
12	338	12/04/2011	5.95	0	1154
12	339	12/05/2011	6.98	0	893
12	340	12/06/2011	5.95	0	1172
12	341	12/07/2011	5.95	0	1188

12	342	12/08/2011	6.98	1	1004
12	343	12/09/2011	6.2	1	969
12	344	12/10/2011	5.95	0	1182
12	345	12/11/2011	7.12	0	687
12	346	12/12/2011	7.12	0	684
12	347	12/13/11	7.52	0	653
12	348	12/14/11	6.2	0	905
12	349	12/15/11	7.32	0	689
12	350	12/16/11	6.1	0	903
12	351	12/17/11	7.12	0	685
12	352	12/18/11	6.98	1	987
12	353	12/19/11	7.32	0	663
12	354	12/20/11	7.12	0	686
12	355	12/21/11	5.95	0	1152
12	356	12/22/11	5.95	0	1156
12	357	12/23/11	6.1	1	1039
12	358	12/24/11	6.98	0	532
12	359	12/25/11	6.1	0	548
12	360	12/26/11	5.95	0	724
12	361	12/27/11	7.32	0	398
12	362	12/28/11	7.52	0	394
12	363	12/29/11	6.1	0	547
12	364	12/30/11	6.98	0	535
12	365	12/31/11	6.1	1	625
1	366	01/01/2012	5.95	0	647
1	367	01/02/2012	5.95	0	650
1	368	01/03/2012	6.98	0	511
1	369	01/04/2012	5.95	0	668
1	370	01/05/2012	6.1	1	575
1	371	01/06/2012	6.98	0	489
1	372	01/07/2012	6.1	0	514
1	373	01/08/2012	6.98	0	500
1	374	01/09/2012	7.12	0	379
1	375	01/10/2012	5.95	0	650
1	376	01/11/2012	7.12	0	393
1	377	01/12/2012	6.1	1	588
1	378	01/13/12	6.98	1	548
1	379	01/14/12	7.12	0	387
1	380	01/15/12	7.12	0	382
1	381	01/16/12	6.98	0	513
1	382	01/17/12	6.2	0	509
1	383	01/18/12	5.95	0	672
1	384	01/19/12	6.2	0	503

1	385	01/20/12	5.95	0	644
1	386	01/21/12	7.12	0	385
1	387	01/22/12	6.98	1	540
1	388	01/23/12	6.98	1	556
1	389	01/24/12	5.95	0	666
1	390	01/25/12	5.95	0	683
1	391	01/26/12	6.98	0	511
1	392	01/27/12	5.95	0	668
1	393	01/28/12	6.98	1	562
1	394	01/29/12	7.12	1	424
1	395	01/30/12	5.95	1	751
1	396	01/31/12	6.98	1	556
2	397	02/01/2012	6.1	0	515
2	398	02/02/2012	6.1	0	517
2	399	02/03/2012	7.32	0	381
2	400	02/04/2012	6.98	0	504
2	401	02/05/2012	6.2	0	519
2	402	02/06/2012	5.95	0	662
2	403	02/07/2012	6.98	0	503
2	404	02/08/2012	6.1	0	524
2	405	02/09/2012	7.32	0	395
2	406	02/10/2012	7.12	0	391
2	407	02/11/2012	5.95	1	739
2	408	02/12/2012	6.2	0	515
2	409	02/13/12	7.52	1	423
2	410	02/14/12	5.95	0	673
2	411	02/15/12	6.2	0	512
2	412	02/16/12	6.98	0	510
2	413	02/17/12	6.98	0	517
2	414	02/18/12	7.32	0	381
2	415	02/19/12	6.98	0	506
2	416	02/20/12	6.1	0	517
2	417	02/21/12	5.95	0	668
2	418	02/22/12	6.1	0	533
2	419	02/23/12	7.52	0	376
2	420	02/24/12	6.98	0	500
2	421	02/25/12	6.98	1	547
2	422	02/26/12	7.52	0	377
2	423	02/27/12	6.2	0	527
2	424	02/28/12	7.12	0	388
2	425	02/29/12	7.52	0	378
3	426	03/01/2012	6.98	1	436
3	427	03/02/2012	6.2	0	413

3	428	03/03/2012	7.52	0	302
3	429	03/04/2012	7.12	0	308
3	430	03/05/2012	6.2	0	404
3	431	03/06/2012	7.32	0	295
3	432	03/07/2012	5.95	0	535
3	433	03/08/2012	5.95	1	577
3	434	03/09/2012	6.98	0	401
3	435	03/10/2012	7.52	0	290
3	436	03/11/2012	7.52	0	297
3	437	03/12/2012	7.32	0	304
3	438	03/13/12	6.98	0	405
3	439	03/14/12	5.95	0	523
3	440	03/15/12	6.98	0	392
3	441	03/16/12	7.32	1	324
3	442	03/17/12	7.32	0	296
3	443	03/18/12	6.98	1	429
3	444	03/19/12	6.1	0	427
3	445	03/20/12	6.98	1	443
3	446	03/21/12	5.95	0	525
3	447	03/22/12	7.12	0	310
3	448	03/23/12	6.2	1	439
3	449	03/24/12	6.98	1	444
3	450	03/25/12	6.98	0	401
3	451	03/26/12	7.52	1	333
3	452	03/27/12	6.98	0	393
3	453	03/28/12	5.95	0	540
3	454	03/29/12	5.95	1	591
3	455	03/30/12	5.95	0	530
3	456	03/31/12	5.95	1	569
4	457	04/01/2012	5.95	0	639
4	458	04/02/2012	5.95	1	708
4	459	04/03/2012	5.95	1	724
4	460	04/04/2012	6.98	0	487
4	461	04/05/2012	7.12	0	374
4	462	04/06/2012	7.12	1	432
4	463	04/07/2012	7.32	0	382
4	464	04/08/2012	6.1	1	583
4	465	04/09/2012	6.2	1	548
4	466	04/10/2012	6.2	0	511
4	467	04/11/2012	6.98	0	487
4	468	04/12/2012	7.32	0	380
4	469	04/13/12	6.98	0	509
4	470	04/14/12	5.95	0	656

4	471	04/15/12	6.2	0	517
4	472	04/16/12	6.98	0	485
4	473	04/17/12	7.52	0	373
4	474	04/18/12	7.32	0	371
4	475	04/19/12	7.52	0	357
4	476	04/20/12	7.12	0	388
4	477	04/21/12	6.2	0	519
4	478	04/22/12	5.95	0	638
4	479	04/23/12	7.52	0	373
4	480	04/24/12	7.32	1	403
4	481	04/25/12	5.95	0	641
4	482	04/26/12	7.12	0	375
4	483	04/27/12	7.32	1	419
4	484	04/28/12	7.52	0	368
4	485	04/29/12	5.95	0	649
4	486	04/30/12	6.98	0	500
5	487	05/01/2012	6.98	0	571
5	488	05/02/2012	6.98	1	629
5	489	05/03/2012	7.12	1	469
5	490	05/04/2012	6.2	0	583
5	491	05/05/2012	5.95	0	742
5	492	05/06/2012	7.12	0	448
5	493	05/07/2012	6.98	0	582
5	494	05/08/2012	5.95	0	736
5	495	05/09/2012	7.12	0	433
5	496	05/10/2012	6.98	0	580
5	497	05/11/2012	5.95	0	734
5	498	05/12/2012	6.2	0	567
5	499	05/13/12	6.2	0	577
5	500	05/14/12	6.98	0	559
5	501	05/15/12	7.52	0	425
5	502	05/16/12	6.1	0	598
5	503	05/17/12	6.1	0	591
5	504	05/18/12	6.2	0	581
5	505	05/19/12	5.95	1	847
5	506	05/20/12	6.98	0	568
5	507	05/21/12	7.52	0	431
5	508	05/22/12	6.98	0	574
5	509	05/23/12	7.32	0	437
5	510	05/24/12	5.95	0	763
5	511	05/25/12	6.1	0	605
5	512	05/26/12	7.12	0	448
5	513	05/27/12	5.95	0	760

5	514	05/28/12	7.12	1	493
5	515	05/29/12	5.95	0	738
5	516	05/30/12	5.95	1	839
5	517	05/31/12	7.32	0	428
6	518	06/01/2012	6.98	0	563
6	519	06/02/2012	6.1	1	645
6	520	06/03/2012	7.12	1	495
6	521	06/04/2012	7.12	1	491
6	522	06/05/2012	6.98	0	583
6	523	06/06/2012	5.95	1	815
6	524	06/07/2012	6.98	0	584
6	525	06/08/2012	6.98	0	583
6	526	06/09/2012	5.95	0	746
6	527	06/10/2012	6.98	0	560
6	528	06/11/2012	6.2	0	564
6	529	06/12/2012	7.52	0	414
6	530	06/13/12	7.32	0	422
6	531	06/14/12	7.32	0	421
6	532	06/15/12	6.98	0	580
6	533	06/16/12	6.1	0	598
6	534	06/17/12	7.12	0	448
6	535	06/18/12	5.95	0	732
6	536	06/19/12	6.98	0	572
6	537	06/20/12	7.52	0	425
6	538	06/21/12	5.95	0	770
6	539	06/22/12	7.12	0	437
6	540	06/23/12	6.98	0	587
6	541	06/24/12	6.2	0	598
6	542	06/25/12	6.1	1	670
6	543	06/26/12	7.12	0	433
6	544	06/27/12	7.32	1	466
6	545	06/28/12	5.95	0	765
6	546	06/29/12	6.98	1	645
6	547	06/30/12	7.12	0	441
7	548	07/01/2012	7.32	0	443
7	549	07/02/2012	7.52	0	428
7	550	07/03/2012	7.32	0	420
7	551	07/04/2012	7.12	0	449
7	552	07/05/2012	7.12	0	454
7	553	07/06/2012	6.98	0	583
7	554	07/07/2012	6.1	0	584
7	555	07/08/2012	6.98	0	588
7	556	07/09/2012	6.1	0	596

7	557	07/10/2012	7.52	0	430
7	558	07/11/2012	6.98	0	575
7	559	07/12/2012	6.98	0	585
7	560	07/13/12	6.2	0	576
7	561	07/14/12	6.98	0	573
7	562	07/15/12	6.98	1	628
7	563	07/16/12	5.95	0	761
7	564	07/17/12	6.2	1	656
7	565	07/18/12	5.95	0	749
7	566	07/19/12	6.2	0	570
7	567	07/20/12	7.52	0	411
7	568	07/21/12	6.98	0	576
7	569	07/22/12	5.95	0	751
7	570	07/23/12	6.98	0	584
7	571	07/24/12	7.52	0	432
7	572	07/25/12	5.95	0	778
7	573	07/26/12	6.2	0	590
7	574	07/27/12	7.32	0	428
7	575	07/28/12	5.95	0	751
7	576	07/29/12	6.98	0	590
7	577	07/30/12	6.98	0	582
7	578	07/31/12	6.98	0	565
8	579	08/01/2012	6.98	1	643
8	580	08/02/2012	7.12	0	438
8	581	08/03/2012	7.52	0	432
8	582	08/04/2012	7.52	0	422
8	583	08/05/2012	5.95	0	772
8	584	08/06/2012	6.2	0	586
8	585	08/07/2012	6.1	0	591
8	586	08/08/2012	5.95	0	738
8	587	08/09/2012	6.98	0	558
8	588	08/10/2012	5.95	0	771
8	589	08/11/2012	5.95	0	754
8	590	08/12/2012	6.2	0	579
8	591	08/13/12	6.98	1	624
8	592	08/14/12	6.1	0	608
8	593	08/15/12	7.32	0	443
8	594	08/16/12	5.95	0	777
8	595	08/17/12	6.2	1	662
8	596	08/18/12	7.12	1	475
8	597	08/19/12	6.98	0	581
8	598	08/20/12	6.98	0	573
8	599	08/21/12	6.2	0	572

8	600	08/22/12	6.2	0	584
8	601	08/23/12	6.2	0	575
8	602	08/24/12	6.98	0	580
8	603	08/25/12	7.12	0	446
8	604	08/26/12	6.1	0	608
8	605	08/27/12	6.1	1	672
8	606	08/28/12	6.98	0	576
8	607	08/29/12	6.2	0	603
8	608	08/30/12	6.1	0	603
8	609	08/31/12	5.95	0	766
9	610	09/01/2012	7.12	0	439
9	611	09/02/2012	6.1	1	659
9	612	09/03/2012	7.12	1	497
9	613	09/04/2012	6.98	0	586
9	614	09/05/2012	6.98	1	626
9	615	09/06/2012	6.1	0	595
9	616	09/07/2012	7.12	0	444
9	617	09/08/2012	5.95	0	741
9	618	09/09/2012	5.95	0	744
9	619	09/10/2012	6.98	0	563
9	620	09/11/2012	6.98	0	568
9	621	09/12/2012	7.32	1	472
9	622	09/13/12	7.52	0	433
9	623	09/14/12	5.95	1	819
9	624	09/15/12	7.32	0	446
9	625	09/16/12	6.2	0	589
9	626	09/17/12	6.98	0	577
9	627	09/18/12	7.12	0	456
9	628	09/19/12	6.1	0	615
9	629	09/20/12	7.32	0	444
9	630	09/21/12	6.98	0	582
9	631	09/22/12	7.32	0	440
9	632	09/23/12	7.52	1	478
9	633	09/24/12	6.1	0	616
9	634	09/25/12	7.32	0	432
9	635	09/26/12	6.98	0	592
9	636	09/27/12	7.52	0	428
9	637	09/28/12	7.52	0	435
9	638	09/29/12	7.52	0	435
9	639	09/30/12	6.1	0	617
10	640	10/01/2012	7.52	0	465
10	641	10/02/2012	5.95	0	861
10	642	10/03/2012	7.52	1	520

10	643	10/04/2012	6.98	0	645
10	644	10/05/2012	7.32	1	533
10	645	10/06/2012	7.32	0	467
10	646	10/07/2012	5.95	0	829
10	647	10/08/2012	6.98	0	623
10	648	10/09/2012	5.95	0	842
10	649	10/10/2012	7.32	0	474
10	650	10/11/2012	5.95	1	950
10	651	10/12/2012	5.95	0	822
10	652	10/13/12	5.95	0	852
10	653	10/14/12	7.52	1	511
10	654	10/15/12	6.2	0	632
10	655	10/16/12	6.98	0	642
10	656	10/17/12	5.95	0	837
10	657	10/18/12	5.95	0	845
10	658	10/19/12	5.95	0	848
10	659	10/20/12	7.52	0	461
10	660	10/21/12	6.2	1	720
10	661	10/22/12	7.12	0	494
10	662	10/23/12	6.2	0	651
10	663	10/24/12	5.95	0	831
10	664	10/25/12	6.1	0	660
10	665	10/26/12	6.98	0	656
10	666	10/27/12	7.12	1	530
10	667	10/28/12	7.32	0	472
10	668	10/29/12	7.52	0	463
10	669	10/30/12	6.2	0	652
10	670	10/31/12	6.2	0	653
11	671	11/01/2012	7.52	0	562
11	672	11/02/2012	5.95	0	1020
11	673	11/03/2012	6.98	0	749
11	674	11/04/2012	6.98	1	846
11	675	11/05/2012	5.95	1	1114
11	676	11/06/2012	6.1	1	841
11	677	11/07/2012	5.95	0	1008
11	678	11/08/2012	6.2	0	792
11	679	11/09/2012	7.32	1	619
11	680	11/10/2012	7.32	0	583
11	681	11/11/2012	5.95	0	1020
11	682	11/12/2012	6.1	1	873
11	683	11/13/12	6.2	0	752
11	684	11/14/12	6.2	0	792
11	685	11/15/12	7.12	0	580

11	686	11/16/12	6.2	0	761
11	687	11/17/12	5.95	1	1073
11	688	11/18/12	6.98	1	836
11	689	11/19/12	6.1	1	862
11	690	11/20/12	7.32	1	641
11	691	11/21/12	7.12	0	583
11	692	11/22/12	6.2	0	786
11	693	11/23/12	5.95	0	1008
11	694	11/24/12	5.95	0	1008
11	695	11/25/12	6.98	0	772
11	696	11/26/12	5.95	0	995
11	697	11/27/12	5.95	0	997
11	698	11/28/12	7.32	1	634
11	699	11/29/12	7.52	0	563
11	700	11/30/12	7.52	0	566
12	701	12/01/2012	5.95	0	1198
12	702	12/02/2012	5.95	0	1246
12	703	12/03/2012	7.12	0	720
12	704	12/04/2012	5.95	0	1226
12	705	12/05/2012	6.1	0	975
12	706	12/06/2012	6.98	0	931
12	707	12/07/2012	5.95	0	1243
12	708	12/08/2012	5.95	1	1341
12	709	12/09/2012	6.98	0	915
12	710	12/10/2012	5.95	0	1254
12	711	12/11/2012	5.95	0	1227
12	712	12/12/2012	7.32	0	687
12	713	12/13/12	6.98	0	939
12	714	12/14/12	7.32	0	702
12	715	12/15/12	6.1	0	974
12	716	12/16/12	6.1	1	1077
12	717	12/17/12	6.2	0	934
12	718	12/18/12	6.2	0	938
12	719	12/19/12	6.1	0	993
12	720	12/20/12	7.32	0	687
12	721	12/21/12	6.1	0	959
12	722	12/22/12	6.98	1	1057
12	723	12/23/12	5.95	0	1251
12	724	12/24/12	6.98	0	570
12	725	12/25/12	7.12	0	430
12	726	12/26/12	6.98	0	575
12	727	12/27/12	7.32	0	430
12	728	12/28/12	7.32	0	430

12	729	12/29/12	7.52	1	447
12	730	12/30/12	7.52	0	403
12	731	12/31/12	6.98	1	619
1	732	01/01/2013	7.32	0	387
1	733	01/02/2013	7.52	0	396
1	734	01/03/2013	6.1	0	536
1	735	01/04/2013	5.95	0	688
1	736	01/05/2013	7.52	0	400
1	737	01/06/2013	6.2	1	591
1	738	01/07/2013	7.12	0	405
1	739	01/08/2013	7.32	1	448
1	740	01/09/2013	7.12	0	416
1	741	01/10/2013	7.32	1	451
1	742	01/11/2013	5.95	0	685
1	743	01/12/2013	6.98	0	525
1	744	01/13/13	6.1	0	558
1	745	01/14/13	7.52	0	389
1	746	01/15/13	7.52	1	417
1	747	01/16/13	7.12	0	399
1	748	01/17/13	7.12	0	403
1	749	01/18/13	7.12	1	447
1	750	01/19/13	5.95	0	701
1	751	01/20/13	7.52	0	389
1	752	01/21/13	6.2	0	534
1	753	01/22/13	7.52	0	400
1	754	01/23/13	7.12	0	408
1	755	01/24/13	6.1	0	556
1	756	01/25/13	5.95	0	691
1	757	01/26/13	5.95	0	686
1	758	01/27/13	5.95	0	697
1	759	01/28/13	7.12	0	417
1	760	01/29/13	6.98	0	520
1	761	01/30/13	6.2	1	578
1	762	01/31/13	7.32	0	389
2	763	02/01/2013	6.98	0	537
2	764	02/02/2013	5.95	0	712
2	765	02/03/2013	6.1	0	560
2	766	02/04/2013	7.32	0	412
2	767	02/05/2013	6.1	0	558
2	768	02/06/2013	6.1	0	570
2	769	02/07/2013	6.98	0	545
2	770	02/08/2013	5.95	0	723
2	771	02/09/2013	7.52	0	385

2	772	02/10/2013	6.98	0	534
2	773	02/11/2013	7.52	0	395
2	774	02/12/2013	6.2	0	550
2	775	02/13/13	6.1	1	624
2	776	02/14/13	5.95	0	729
2	777	02/15/13	5.95	0	697
2	778	02/16/13	7.32	0	408
2	779	02/17/13	6.1	0	553
2	780	02/18/13	5.95	0	707
2	781	02/19/13	7.52	1	423
2	782	02/20/13	7.32	1	451
2	783	02/21/13	7.12	0	428
2	784	02/22/13	7.12	0	412
2	785	02/23/13	6.98	0	533
2	786	02/24/13	6.98	0	551
2	787	02/25/13	7.52	0	392
2	788	02/26/13	5.95	0	701
2	789	02/27/13	6.1	0	562
2	790	02/28/13	6.98	0	543
3	791	03/01/2013	5.95	1	612
3	792	03/02/2013	6.98	0	432
3	793	03/03/2013	6.98	0	408
3	794	03/04/2013	6.98	0	428
3	795	03/05/2013	7.12	0	330
3	796	03/06/2013	5.95	0	566
3	797	03/07/2013	7.52	0	306
3	798	03/08/2013	6.2	0	420
3	799	03/09/2013	6.2	0	420
3	800	03/10/2013	6.98	1	455
3	801	03/11/2013	7.32	0	323
3	802	03/12/2013	6.2	0	418
3	803	03/13/13	6.98	0	421
3	804	03/14/13	6.1	1	486
3	805	03/15/13	7.12	0	322
3	806	03/16/13	6.98	0	417
3	807	03/17/13	5.95	0	547
3	808	03/18/13	7.12	1	356
3	809	03/19/13	6.98	0	426
3	810	03/20/13	6.2	0	419
3	811	03/21/13	6.98	0	424
3	812	03/22/13	7.12	0	330
3	813	03/23/13	6.98	0	427
3	814	03/24/13	6.1	0	443

3	815	03/25/13	6.1	0	448
3	816	03/26/13	7.52	0	308
3	817	03/27/13	7.12	1	352
3	818	03/28/13	6.98	1	463
3	819	03/29/13	6.2	0	419
3	820	03/30/13	6.98	0	423
3	821	03/31/13	6.98	1	476
4	822	04/01/2013	7.52	0	383
4	823	04/02/2013	5.95	0	677
4	824	04/03/2013	6.2	0	523
4	825	04/04/2013	7.32	1	444
4	826	04/05/2013	6.98	1	572
4	827	04/06/2013	5.95	0	677
4	828	04/07/2013	5.95	0	710
4	829	04/08/2013	5.95	0	692
4	830	04/09/2013	6.98	0	508
4	831	04/10/2013	5.95	0	677
4	832	04/11/2013	5.95	0	711
4	833	04/12/2013	7.52	0	387
4	834	04/13/13	5.95	0	690
4	835	04/14/13	7.12	0	406
4	836	04/15/13	7.12	0	404
4	837	04/16/13	7.32	1	440
4	838	04/17/13	7.32	0	397
4	839	04/18/13	5.95	0	702
4	840	04/19/13	6.2	0	545
4	841	04/20/13	6.98	0	538
4	842	04/21/13	7.32	1	434
4	843	04/22/13	6.2	0	535
4	844	04/23/13	6.2	0	537
4	845	04/24/13	6.1	0	548
4	846	04/25/13	5.95	0	691
4	847	04/26/13	6.98	0	531
4	848	04/27/13	6.98	1	576
4	849	04/28/13	6.1	0	552
4	850	04/29/13	6.98	0	513
4	851	04/30/13	7.32	0	399
5	852	05/01/2013	7.52	0	449
5	853	05/02/2013	5.95	0	795
5	854	05/03/2013	6.98	0	612
5	855	05/04/2013	6.98	0	605
5	856	05/05/2013	5.95	0	796
5	857	05/06/2013	5.95	0	771

5	858	05/07/2013	5.95	0	773
5	859	05/08/2013	6.98	1	652
5	860	05/09/2013	7.52	1	488
5	861	05/10/2013	5.95	0	799
5	862	05/11/2013	5.95	0	780
5	863	05/12/2013	5.95	0	768
5	864	05/13/13	5.95	1	885
5	865	05/14/13	5.95	0	799
5	866	05/15/13	7.12	0	460
5	867	05/16/13	6.1	0	608
5	868	05/17/13	7.52	0	427
5	869	05/18/13	6.98	0	609
5	870	05/19/13	7.32	0	460
5	871	05/20/13	6.1	0	631
5	872	05/21/13	5.95	0	794
5	873	05/22/13	7.32	0	460
5	874	05/23/13	6.98	0	611
5	875	05/24/13	5.95	0	792
5	876	05/25/13	6.98	1	644
5	877	05/26/13	6.1	0	635
5	878	05/27/13	6.1	0	616
5	879	05/28/13	7.52	0	439
5	880	05/29/13	6.2	0	627
5	881	05/30/13	5.95	0	803
5	882	05/31/13	6.1	0	624
6	883	06/01/2013	5.95	0	789
6	884	06/02/2013	5.95	0	780
6	885	06/03/2013	5.95	0	774
6	886	06/04/2013	7.52	0	452
6	887	06/05/2013	5.95	0	768
6	888	06/06/2013	6.1	0	607
6	889	06/07/2013	5.95	0	803
6	890	06/08/2013	7.32	0	439
6	891	06/09/2013	5.95	0	813
6	892	06/10/2013	7.32	0	439
6	893	06/11/2013	6.1	0	638
6	894	06/12/2013	5.95	0	797
6	895	06/13/13	6.98	0	612
6	896	06/14/13	6.1	0	629
6	897	06/15/13	7.32	0	441
6	898	06/16/13	6.98	1	649
6	899	06/17/13	6.1	0	611
6	900	06/18/13	7.12	0	451

6	901	06/19/13	5.95	0	782
6	902	06/20/13	6.98	0	608
6	903	06/21/13	6.1	0	635
6	904	06/22/13	7.52	1	472
6	905	06/23/13	5.95	0	805
6	906	06/24/13	7.12	1	499
6	907	06/25/13	7.52	0	445
6	908	06/26/13	6.98	0	589
6	909	06/27/13	5.95	0	816
6	910	06/28/13	7.52	0	453
6	911	06/29/13	6.98	1	646
6	912	06/30/13	7.52	0	435
7	913	07/01/2013	6.2	0	596
7	914	07/02/2013	6.98	0	588
7	915	07/03/2013	6.1	1	693
7	916	07/04/2013	6.1	0	613
7	917	07/05/2013	7.52	0	435
7	918	07/06/2013	7.32	1	508
7	919	07/07/2013	6.2	1	689
7	920	07/08/2013	7.12	0	461
7	921	07/09/2013	5.95	1	880
7	922	07/10/2013	6.1	0	611
7	923	07/11/2013	5.95	0	776
7	924	07/12/2013	6.2	0	596
7	925	07/13/13	6.2	0	625
7	926	07/14/13	6.1	0	624
7	927	07/15/13	7.12	0	460
7	928	07/16/13	5.95	0	786
7	929	07/17/13	6.2	0	620
7	930	07/18/13	7.12	0	456
7	931	07/19/13	6.98	0	601
7	932	07/20/13	7.52	0	446
7	933	07/21/13	6.98	0	619
7	934	07/22/13	5.95	0	779
7	935	07/23/13	6.1	1	682
7	936	07/24/13	6.98	0	602
7	937	07/25/13	5.95	0	803
7	938	07/26/13	7.52	1	478
7	939	07/27/13	7.32	0	463
7	940	07/28/13	7.52	0	450
7	941	07/29/13	6.1	0	640
7	942	07/30/13	7.32	0	459
7	943	07/31/13	7.12	0	466

8	944	08/01/2013	7.52	0	455
8	945	08/02/2013	7.12	0	456
8	946	08/03/2013	6.98	0	587
8	947	08/04/2013	7.12	0	454
8	948	08/05/2013	7.12	0	479
8	949	08/06/2013	6.98	0	608
8	950	08/07/2013	6.1	0	623
8	951	08/08/2013	6.1	0	637
8	952	08/09/2013	6.2	0	628
8	953	08/10/2013	7.32	0	456
8	954	08/11/2013	6.2	1	689
8	955	08/12/2013	6.2	0	609
8	956	08/13/13	5.95	0	821
8	957	08/14/13	6.98	0	614
8	958	08/15/13	7.52	0	449
8	959	08/16/13	5.95	1	864
8	960	08/17/13	5.95	1	898
8	961	08/18/13	6.1	0	646
8	962	08/19/13	6.1	0	619
8	963	08/20/13	5.95	0	820
8	964	08/21/13	7.32	0	444
8	965	08/22/13	5.95	1	864
8	966	08/23/13	5.95	1	891
8	967	08/24/13	6.98	0	596
8	968	08/25/13	6.1	0	624
8	969	08/26/13	5.95	0	796
8	970	08/27/13	6.98	1	668
8	971	08/28/13	6.1	0	633
8	972	08/29/13	5.95	0	816
8	973	08/30/13	5.95	0	798
8	974	08/31/13	6.2	1	680
9	975	09/01/2013	6.1	0	625
9	976	09/02/2013	6.98	0	594
9	977	09/03/2013	5.95	1	906
9	978	09/04/2013	7.12	0	477
9	979	09/05/2013	6.1	0	616
9	980	09/06/2013	7.32	0	456
9	981	09/07/2013	7.52	1	480
9	982	09/08/2013	6.98	0	603
9	983	09/09/2013	7.32	0	445
9	984	09/10/2013	6.98	1	662
9	985	09/11/2013	7.52	0	451
9	986	09/12/2013	5.95	0	802

9	987	09/13/13	6.98	1	649
9	988	09/14/13	6.98	0	623
9	989	09/15/13	6.98	0	623
9	990	09/16/13	7.52	0	438
9	991	09/17/13	5.95	0	787
9	992	09/18/13	7.32	0	455
9	993	09/19/13	7.52	0	444
9	994	09/20/13	7.52	1	503
9	995	09/21/13	7.32	0	472
9	996	09/22/13	7.32	0	457
9	997	09/23/13	6.98	1	657
9	998	09/24/13	7.52	0	456
9	999	09/25/13	7.12	1	528
9	1000	09/26/13	7.52	1	480
9	1001	09/27/13	6.2	0	617
9	1002	09/28/13	7.32	0	467
9	1003	09/29/13	7.52	0	451
9	1004	09/30/13	6.98	0	592
10	1005	10/01/2013	6.98	0	651
10	1006	10/02/2013	6.98	0	689
10	1007	10/03/2013	7.32	1	566
10	1008	10/04/2013	6.98	0	668
10	1009	10/05/2013	6.98	1	748
10	1010	10/06/2013	7.12	0	514
10	1011	10/07/2013	7.32	0	499
10	1012	10/08/2013	6.2	0	682
10	1013	10/09/2013	7.52	0	502
10	1014	10/10/2013	6.1	0	680
10	1015	10/11/2013	5.95	0	881
10	1016	10/12/2013	5.95	1	984
10	1017	10/13/13	5.95	0	870
10	1018	10/14/13	6.1	0	693
10	1019	10/15/13	6.2	0	700
10	1020	10/16/13	5.95	0	896
10	1021	10/17/13	6.1	1	770
10	1022	10/18/13	7.12	0	510
10	1023	10/19/13	7.32	0	498
10	1024	10/20/13	7.12	0	534
10	1025	10/21/13	6.1	0	695
10	1026	10/22/13	6.98	0	664
10	1027	10/23/13	7.12	0	507
10	1028	10/24/13	6.98	0	686
10	1029	10/25/13	5.95	1	996

10	1030	10/26/13	6.98	0	673
10	1031	10/27/13	5.95	0	863
10	1032	10/28/13	6.2	1	761
10	1033	10/29/13	5.95	0	895
10	1034	10/30/13	6.98	1	744
10	1035	10/31/13	7.12	1	575
11	1036	11/01/2013	5.95	1	1157
11	1037	11/02/2013	5.95	0	1046
11	1038	11/03/2013	7.52	1	638
11	1039	11/04/2013	7.52	0	569
11	1040	11/05/2013	6.98	0	786
11	1041	11/06/2013	6.98	0	805
11	1042	11/07/2013	5.95	0	1023
11	1043	11/08/2013	6.1	0	807
11	1044	11/09/2013	6.98	1	896
11	1045	11/10/2013	6.98	0	784
11	1046	11/11/2013	5.95	1	1141
11	1047	11/12/2013	7.52	0	579
11	1048	11/13/13	6.98	0	803
11	1049	11/14/13	5.95	0	1032
11	1050	11/15/13	7.52	0	576
11	1051	11/16/13	6.2	0	818
11	1052	11/17/13	5.95	0	1066
11	1053	11/18/13	6.98	0	780
11	1054	11/19/13	7.32	0	595
11	1055	11/20/13	7.52	1	653
11	1056	11/21/13	7.12	0	629
11	1057	11/22/13	7.12	1	679
11	1058	11/23/13	7.32	0	616
11	1059	11/24/13	6.98	0	811
11	1060	11/25/13	6.1	1	889
11	1061	11/26/13	6.2	0	820
11	1062	11/27/13	6.1	0	833
11	1063	11/28/13	7.12	0	614
11	1064	11/29/13	7.12	1	678
11	1065	11/30/13	7.52	1	638
12	1066	12/01/2013	7.52	0	738
12	1067	12/02/2013	7.52	0	724
12	1068	12/03/2013	6.2	0	997
12	1069	12/04/2013	5.95	0	1299
12	1070	12/05/2013	6.1	0	1031
12	1071	12/06/2013	5.95	0	1295
12	1072	12/07/2013	5.95	0	1262

12	1073	12/08/2013	5.95	0	1263
12	1074	12/09/2013	7.12	0	758
12	1075	12/10/2013	6.98	0	956
12	1076	12/11/2013	6.98	0	996
12	1077	12/12/2013	7.32	0	761
12	1078	12/13/13	7.32	0	725
12	1079	12/14/13	6.98	0	1008
12	1080	12/15/13	5.95	1	1459
12	1081	12/16/13	7.12	1	828
12	1082	12/17/13	5.95	0	1333
12	1083	12/18/13	5.95	0	1333
12	1084	12/19/13	6.2	0	976
12	1085	12/20/13	6.1	0	996
12	1086	12/21/13	6.98	1	1058
12	1087	12/22/13	5.95	1	1438
12	1088	12/23/13	7.12	0	774
12	1089	12/24/13	5.95	0	765
12	1090	12/25/13	6.98	0	598
12	1091	12/26/13	6.98	0	591
12	1092	12/27/13	7.12	0	453
12	1093	12/28/13	7.52	0	432
12	1094	12/29/13	6.98	0	584
12	1095	12/30/13	5.95	0	768
12	1096	12/31/13	6.2	0	600

Cereal	Cal	Protein	Fat	Sodium	Fiber	Carbs	Sugar	Potassium
ACCheerios	110	2	2	180	1.5	10.5	10	70
Cheerios	110	6	2	290	2	17	1	105
CocoaPuffs	110	1	1	180	0	12	13	55
CountChocula	110	1	1	180	0	12	13	65
GoldenGrahams	110	1	1	280	0	15	9	45
HoneyNutCheerios	110	3	1	250	1.5	11.5	10	90
Kix	110	2	1	260	0	21	3	40
LuckyCharms	110	2	1	180	0	12	12	55
MultiGrainCheerios	100	2	1	220	2	15	6	90
OatmealRaisinCrisp	130	3	2	170	1.5	13.5	10	120
RaisinNutBran	100	3	2	140	2.5	10.5	8	140
TotalCornFlakes	110	2	1	200	0	21	3	35
TotalRaisinBran	140	3	1	190	4	15	14	230
TotalWholeGrain	100	3	1	200	3	16	3	110
Trix	110	1	1	140	0	13	12	25
Cheaties	100	3	1	200	3	17	3	110
WheatiesHoneyGold	110	2	1	200	1	16	8	60
AllBran	70	4	1	260	9	7	5	320
AppleJacks	110	2	0	125	1	11	14	30
CornFlakes	100	2	0	290	1	21	2	35
CornPops	110	1	0	90	1	13	12	20
CracklinOatBran	110	3	3	140	4	10	7	160
Crispix	110	2	0	220	1	21	3	30
FrootLoops	110	2	1	125	1	11	13	30
FrostedFlakes	110	1	0	200	1	14	11	25
FrostedMiniWheats	100	3	0	0	3	14	7	100
FruitfulBran	120	3	0	240	5	14	12	190
JustRightCrunchyNuggets	110	2	1	170	1	17	6	60
MueslixCrispyBlend	160	3	2	150	3	17	13	160
NutNHoneyCrunch	120	2	1	190	0	15	9	40
NutriGrainAlmondRaisin	140	3	2	220	3	21	7	130
NutriGrainWheat	90	3	0	170	3	18	2	90
Product19	100	3	0	320	1	20	3	45
RaisinBran	120	3	1	210	5	14	12	240
RiceKrispies	110	2	0	290	0	22	3	35
Smacks	110	2	1	70	1	9	15	40
SpecialK	110	6	0	230	1	16	3	55
CapNCrunch	120	1	2	220	0	12	12	35
HoneyGrahamOhs	120	1	2	220	1	12	11	45
Life	100	4	2	150	2	12	6	95
PuffedRice	50	1	0	0	0	13	0	15
PuffedWheat	50	2	0	0	1	10	0	50
QuakerOatmeal	100	5	2	0	2.7	1	1	110

PB_1

	Internet	TV	Cell Phone	Fixed Line
1	3.50	7.00	3.50	56.72
2	17.50	35.00	3.50	48.74
3	28.00	28.00	49.00	80.57
4	70.00	70.00	0.00	29.54
5	0.00	7.00	14.00	105.51
6	0.00	70.00	0.00	138.44
7	21.00	35.00	10.50	138.56
8	7.00	21.00	0.00	34.18
9	5.25	7.00	2.10	67.03
10	21.00	28.00	28.00	94.76
11	35.00	49.00	21.00	112.58
12	21.00	21.00	21.00	52.40
13	14.00	35.00	21.00	106.77
14	14.00	35.00	14.00	8.65
15	70.00	0.00	49.00	69.78
16	7.00	35.00	14.00	30.38
17	21.00	35.00	42.00	44.24
18	20.65	34.65	34.65	113.36
19	1.75	21.00	0.00	131.08
20	21.00	17.50	21.00	30.42
21	27.65	34.65	41.65	72.22
22	7.00	0.00	28.00	129.04
23	21.00	35.00	10.50	59.52
24	27.65	69.65	27.65	121.82
25	35.00	70.00	35.00	82.51
26	14.00	35.00	7.00	131.52
27	21.00	35.00	28.00	59.37
28	7.00	70.00	0.00	83.41
29	3.50	7.00	10.50	115.74
30	0.00	21.00	14.00	133.18
31	21.00	56.00	35.00	32.55
32	49.00	105.00	0.00	97.05
33	70.00	70.00	140.00	84.83
34	21.00	105.00	14.00	116.22
35	21.00	35.00	14.00	112.11
36	0.00	140.00	0.00	85.22
37	0.00	35.00	0.00	5.22
38	7.00	35.00	21.00	9.12
39	35.00	35.00	35.00	120.89

40	21.00	31.50	17.50	69.72
41	7.00	21.00	7.00	107.86
42	35.00	35.00	35.00	37.72
43	28.00	70.00	70.00	87.28
44	21.00	0.00	14.00	33.86
45	35.00	35.00	35.00	89.26
46	35.00	49.00	21.00	7.89
47	70.00	70.00	35.00	129.38
48	5.25	17.50	8.75	54.11
49	0.00	35.00	0.00	139.28
50	21.00	35.00	35.00	134.76
51	24.50	14.00	14.00	126.95
52	24.50	35.00	24.50	120.13
53	21.00	35.00	52.50	64.10
54	35.00	21.00	70.00	4.25
55	7.00	7.00	14.00	5.51
56	7.00	7.00	7.00	37.43
57	35.00	0.00	35.00	98.94
58	175.00	210.00	0.00	18.28
59	14.00	0.00	0.00	58.09
60	35.00	49.00	14.00	71.76
61	10.50	7.00	7.00	137.91
62	7.00	14.00	3.50	114.08
63	175.00	350.00	70.00	86.27
64	0.00	14.00	14.00	13.74
65	12.25	35.00	0.00	43.90
66	35.00	42.00	42.00	109.60
67	35.00	56.00	0.00	45.61
68	35.00	42.00	0.00	100.90
69	42.00	52.50	7.00	110.71
70	21.00	21.00	7.00	116.80
71	27.65	48.65	27.65	24.39
72	0.00	56.00	35.00	70.52
73	0.00	7.00	0.00	104.87
74	35.00	35.00	56.00	113.66
75	21.00	28.00	28.00	53.62
76	0.00	42.00	7.00	56.35
77	35.00	35.00	1.75	34.72