Project Development Phase
Delivery of Sprint-1

Team ID	PNT2022TMID09248
Project Title	Retail Store Stock Inventory Analytics

Project Development Phase:

SPRINT-1	● Data Collection ● Data Preparation
SPRINT-2	● Data Exploration
SPRINT-3	● Dashboard Creation
SPRINT-4	● Report Creation ● Story Creation

Project Contributors:

- Chandraprakash Reddy K
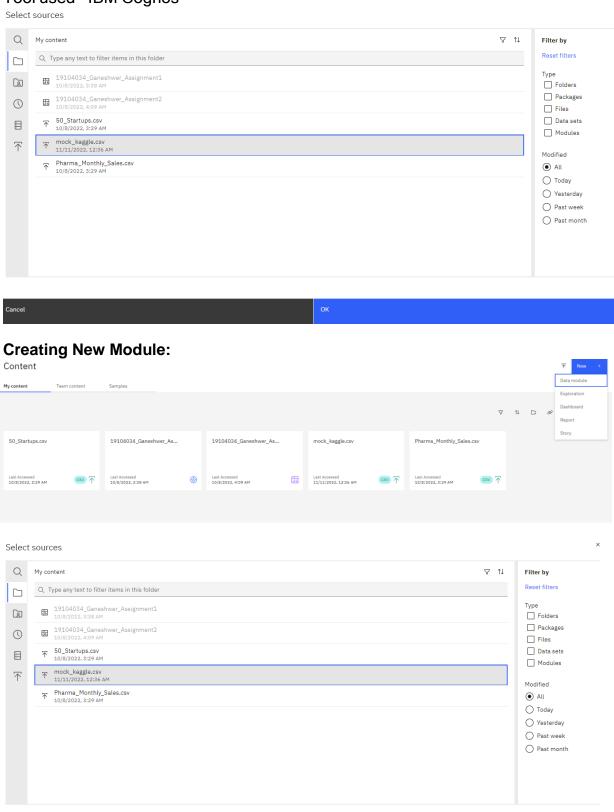- Adarsh P
- Akash P
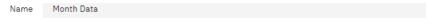- Ganeshwer B

Sprint - 1:

Data Collection:

Download the Dataset
Dataset link - https://drive.google.com/drive/folders/1kiL-5CHJmQvbk9VyFsuUs-myAupBZGNy

Load the Dataset:

Tool used – IBM Cognos

Creating New Module:

Name   Month Data

Components   **Expression**

[icon] [Search]   1 MONTH (mock_kaggle_csv.data_)

[icon] [::] New data module

           ⊞ Month Data

      ▸   ⊞ mock_kaggle.csv

Validation Results

✓ The expression is valid.

Month Data:

Month_Data	Row Id	data	venda	estoque	preco
1	1	2014-01-01	0	4972	1.29
1	2	2014-01-02	70	4902	1.29
1	3	2014-01-03	59	4843	1.29
1	4	2014-01-04	93	4750	1.29
1	5	2014-01-05	96	4654	1.29
1	6	2014-01-06	145	4509	1.29
1	7	2014-01-07	179	4329	1.29
1	8	2014-01-08	321	4104	1.29
1	9	2014-01-09	125	4459	1.09
1	10	2014-01-10	88	5043	1.09
1	11	2014-01-11	188	5239	1.09
1	12	2014-01-12	121	5118	1.09
1	13	2014-01-13	134	4984	1.09
1	14	2014-01-14	80	4904	1.09
1	15	2014-01-15	82	4822	1.09
1	16	2014-01-16	94	4728	1.19
1	17	2014-01-18	159	4464	1.19
1	18	2014-01-19	199	4265	1.19
1	19	2014-01-20	104	4161	1.19

Revenue Data:

Revenue_Data	Month_Data	Row Id	data	venda	estoque
0	1	1	2014-01-01	0	4972
90.3	1	2	2014-01-02	70	4902
76.11	1	3	2014-01-03	59	4843
119.97	1	4	2014-01-04	93	4750
123.84	1	5	2014-01-05	96	4654
187.05	1	6	2014-01-06	145	4509
230.91	1	7	2014-01-07	179	4329
414.09000000000003	1	8	2014-01-08	321	4104
136.25	1	9	2014-01-09	125	4459
95.92	1	10	2014-01-10	88	5043
204.92000000000002	1	11	2014-01-11	188	5239
131.89000000000001	1	12	2014-01-12	121	5118
146.06	1	13	2014-01-13	134	4984
87.2	1	14	2014-01-14	80	4904
89.38000000000001	1	15	2014-01-15	82	4822
111.86	1	16	2014-01-16	94	4728

Year Data:

	Revenue_Data	Month_Data	Row Id	data	venda
	0	1	1	2014-01-01	0
	90.3	1	2	2014-01-02	70
	76.11	1	3	2014-01-03	59
	119.97	1	4	2014-01-04	93
	123.84	1	5	2014-01-05	96
	187.05	1	6	2014-01-06	145
	230.91	1	7	2014-01-07	179
	414.09000000000003	1	8	2014-01-08	321
	136.25	1	9	2014-01-09	125
	95.92	1	10	2014-01-10	88
	204.92000000000002	1	11	2014-01-11	188
	131.89000000000001	1	12	2014-01-12	121

Data module sidebar:
- New data module
  - Navigation paths
  - mock_kaggle.csv
    - Revenue_Data
    - # Month_Data
    - # Row Id
    - 🕐 data
    - venda
    - estoque
    - preco

Grid | Relationships | Custom tables

Stock Data:

	Revenue_Data	Month_Data	Row Id	date	venda	estoque	
	0	1	1	2014-01-01	0	4972	1
	90.3	1	2	2014-01-02	70	4902	1
	76.11	1	3	2014-01-03	59	4843	1
	119.97	1	4	2014-01-04	93	4750	1
	123.84	1	5	2014-01-05	96	4654	1
	187.05	1	6	2014-01-06	145	4509	1
	230.91	1	7	2014-01-07	179	4329	1
	414.09000000000003	1	8	2014-01-08	321	4104	1
	136.25	1	9	2014-01-09	125	4459	1
	95.92	1	10	2014-01-10	88	5043	1
	204.92000000000002	1	11	2014-01-11	188	5239	1
	131.89000000000001	1	12	2014-01-12	121	5118	1

Data module sidebar:
- New data module
  - Navigation paths
  - mock_kaggle.csv
    - Revenue_Data
    - # Month_Data
    - # Row Id
    - 🕐 date
    - venda
    - estoque
    - preco

Grid | Relationships | Custom tables

Price Data:

Grid | Relationships | Custom tables

Revenue_Data	Month_Data	Row Id	date	venda	estoque	preco
0	1	1	2014-01-01	0	4972	1.29
90.3	1	2	2014-01-02	70	4902	1.29
76.11	1	3	2014-01-03	59	4843	1.29
119.97	1	4	2014-01-04	93	4750	1.29
123.84	1	5	2014-01-05	96	4654	1.29
187.05	1	6	2014-01-06	145	4509	1.29
230.91	1	7	2014-01-07	179	4329	1.29
414.09000000000003	1	8	2014-01-08	321	4104	1.29
136.25	1	9	2014-01-09	125	4459	1.09
95.92	1	10	2014-01-10	88	5043	1.09
204.92000000000002	1	11	2014-01-11	188	5239	1.09
131.89000000000001	1	12	2014-01-12	121	5118	1.09
146.06	1	13	2014-01-13	134	4984	1.09

Sales Data:

Grid | Relationships | Custom tables

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Revenue_Data	Month_Data	Row Id	date	venda	estoque
0	1	1	2014-01-01	0	4972
90.3	1	2	2014-01-02	70	4902
76.11	1	3	2014-01-03	59	4843
119.97	1	4	2014-01-04	93	4750
123.84	1	5	2014-01-05	96	4654
187.05	1	6	2014-01-06	145	4509
230.91	1	7	2014-01-07	179	4329
414.09000000000003	1	8	2014-01-08	321	4104
136.25	1	9	2014-01-09	125	4459
95.92	1	10	2014-01-10	88	5043
204.92000000000002	1	11	2014-01-11	188	5239
131.89000000000001	1	12	2014-01-12	121	5118
146.06	1	13	2014-01-13	134	4984
87.2	1	14	2014-01-14	80	4904

Month Format Data:

Revenue_Data	Month_Data	Row Id	date	venda
83.3	1	20	2014-01-21	70
138.43	1	21	2014-01-22	127
104.64000000000001	1	22	2014-01-23	96
81.75	1	23	2014-01-24	75
215.82000000000002	1	24	2014-01-25	198
183.12	1	25	2014-01-26	168
136.25	1	26	2014-01-27	125
93.74000000000001	1	27	2014-01-28	86
219.78	1	28	2014-01-29	222
269.28	1	29	2014-01-30	272
206.91	1	30	2014-01-31	209
365.31	2	31	2014-02-01	369
214.82999999999998	2	32	2014-02-02	217
96.03	2	33	2014-02-03	97
115.83	2	34	2014-02-04	117
129	2	35	2014-02-05	100
82.56	2	36	2014-02-06	64
45.15	2	37	2014-02-07	35

Sidebar: data module, Navigation paths, mock_kaggle.csv, Revenue_Data, # Month_Data, # Row Id, date, venda, estoque, preco

Year Format Data:

Revenue_Data	Month_Data	Row Id	date	venda
83.3	1	20	1/21/14	70
138.43	1	21	1/22/14	127
104.64000000000001	1	22	1/23/14	96
81.75	1	23	1/24/14	75
215.82000000000002	1	24	1/25/14	198
183.12	1	25	1/26/14	168
136.25	1	26	1/27/14	125
93.74000000000001	1	27	1/28/14	86
219.78	1	28	1/29/14	222
269.28	1	29	1/30/14	272
206.91	1	30	1/31/14	209
365.31	2	31	2/1/14	369
214.82999999999998	2	32	2/2/14	217
96.03	2	33	2/3/14	97
115.83	2	34	2/4/14	117
129	2	35	2/5/14	100
82.56	2	36	2/6/14	64

Stock Format Data:

	Revenue_Data	Month_Data	Row Id	date	venda	estoque	preco
	83.3	1	20	1/21/14	70	4091	1.19
	138.43	1	21	1/22/14	127	3964	1.09
	104.64000000000001	1	22	1/23/14	96	3868	1.09
	81.75	1	23	1/24/14	75	3793	1.09
	215.82000000000002	1	24	1/25/14	198	3595	1.09
	183.12	1	25	1/26/14	168	3427	1.09
	136.25	1	26	1/27/14	125	3302	1.09
	93.74000000000001	1	27	1/28/14	86	3216	1.09
	219.78	1	28	1/29/14	222	2994	0.99
	269.28	1	29	1/30/14	272	2723	0.99
	206.91	1	30	1/31/14	209	2514	0.99
	365.31	2	31	2/1/14	369	2145	0.99
	214.82999999999998	2	32	2/2/14	217	1928	0.99
	96.03	2	33	2/3/14	97	1831	0.99
	115.83	2	34	2/4/14	117	1714	0.99
	129	2	35	2/5/14	100	1998	1.29

Sales Format Data:

	Revenue_Data	Month_Data	Row Id	date	venda	estoque
	83.3	1	20	1/21/14	70	4091
	138.43	1	21	1/22/14	127	3964
	104.64000000000001	1	22	1/23/14	96	3868
	81.75	1	23	1/24/14	75	3793
	215.82000000000002	1	24	1/25/14	198	3595
	183.12	1	25	1/26/14	168	3427
	136.25	1	26	1/27/14	125	3302
	93.74000000000001	1	27	1/28/14	86	3216
	219.78	1	28	1/29/14	222	2994
	269.28	1	29	1/30/14	272	2723
	206.91	1	30	1/31/14	209	2514
	365.31	2	31	2/1/14	369	2145
	214.82999999999998	2	32	2/2/14	217	1928
	96.03	2	33	2/3/14	97	1831
	115.83	2	34	2/4/14	117	1714

Price Format Data:

Revenue_Data	Month_Data	Row Id	date	venda	estoque	preco
0	1	1	1/1/14	0	4972	1
90.3	1	2	1/2/14	70	4902	1
76.11	1	3	1/3/14	59	4843	1
119.97	1	4	1/4/14	93	4750	1
123.84	1	5	1/5/14	96	4654	1
187.05	1	6	1/6/14	145	4509	1
230.91	1	7	1/7/14	179	4329	1
414.09000000000003	1	8	1/8/14	321	4104	1
136.25	1	9	1/9/14	125	4459	1
95.92	1	10	1/10/14	88	5043	1
204.92000000000002	1	11	1/11/14	188	5239	1
131.89000000000001	1	12	1/12/14	121	5118	1
146.06	1	13	1/13/14	134	4984	1

Revenue Format Data:

Revenue_Data	Month_Data	Row Id	date	venda	estoque
0	1	1	1/1/14	0	4972
90	1	2	1/2/14	70	4902
76	1	3	1/3/14	59	4843
120	1	4	1/4/14	93	4750
124	1	5	1/5/14	96	4654
187	1	6	1/6/14	145	4509
231	1	7	1/7/14	179	4329
414	1	8	1/8/14	321	4104
136	1	9	1/9/14	125	4459
96	1	10	1/10/14	88	5043
205	1	11	1/11/14	188	5239
132	1	12	1/12/14	121	5118
146	1	13	1/13/14	134	4984

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