✕

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| Watch video | **Take a product tour** |

⌃ Quick launch

⤒	᠁	◈	⬚
Upload data	**Prepare data**	**Exploration**	**Present data**
Upload or drag and drop spreadsheets, csv files, and other data sources.	Use data modules to clean and connect data from multiple resources.	Quickly find unbiased answers by identifying trends in your data with data exploration.	Create sophisticated, multi-page, multi-query dashboards, reports, or stories.

Name	Date modified	Type	Size

∨ Yesterday

| 📊 supermarket_sales - Sheet1 | 21-04-2023 18:53 | Microsoft Excel Co... | 129 KB |

> ☁ Rahul - Personal

🖥 Desktop 📌
⬇ Downloads 📌
📄 Documents 📌
🖼 Pictures 📌
🎵 Music 📌
▶ Videos 📌
📁 Data Analysis 📌

File name: supermarket_sales - Sheet1   Custom Files

Open   Cancel

Search content

29

Quick launch

Upload data
Upload or drag and drop spreadsheets, csv files, and other data sources.

Prepare data
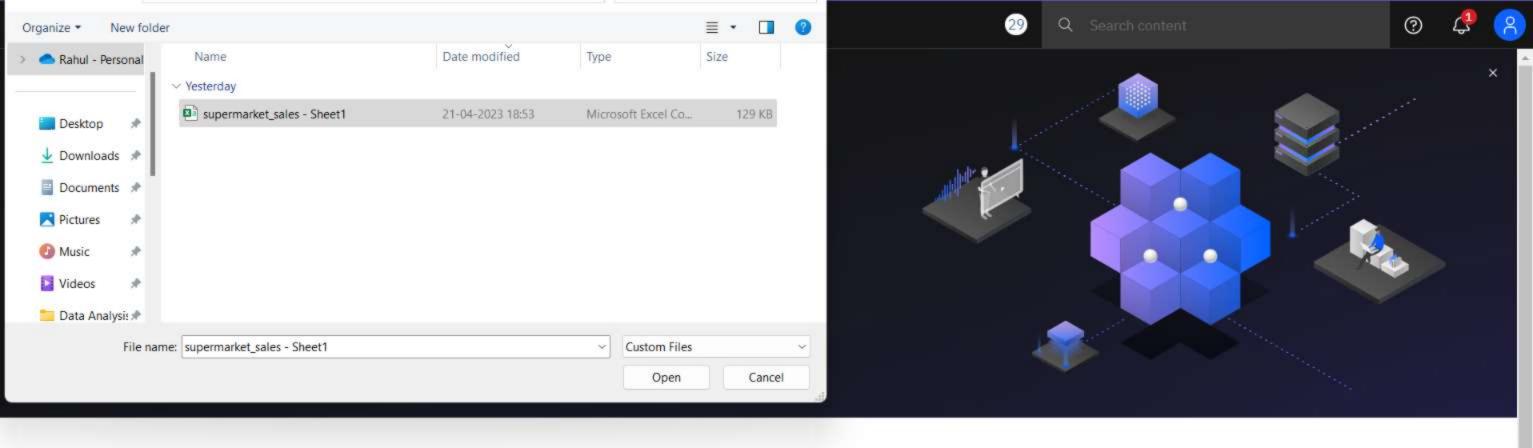Use data modules to clean and connect data from multiple resources.
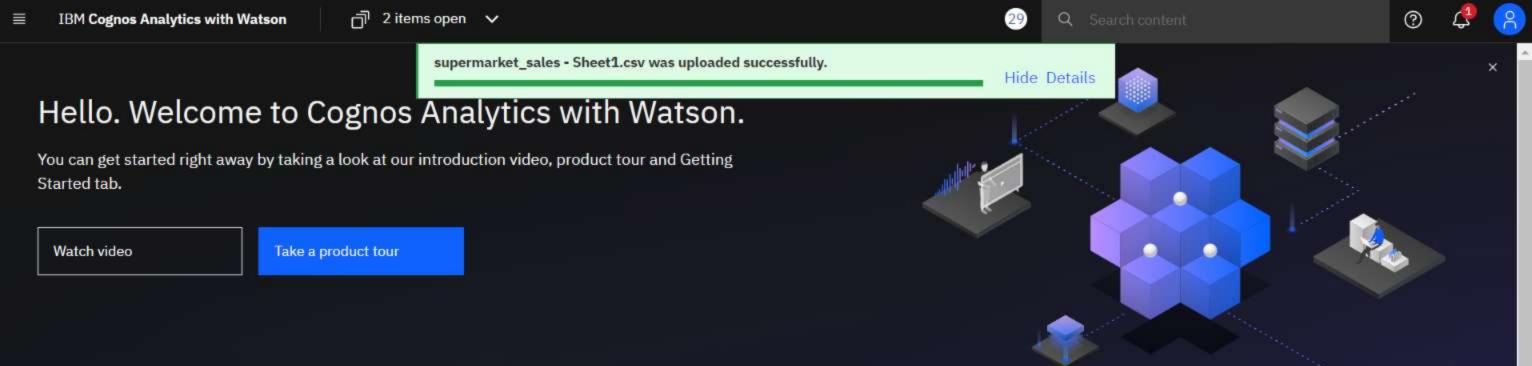
Exploration
Quickly find unbiased answers by identifying trends in your data with data exploration.

Present data
Create sophisticated, multi-page, multi-query dashboards, reports, or stories.

supermarket_sales - Sheet1.csv was uploaded successfully.   Hide Details   ✕

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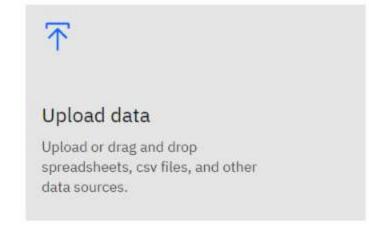| ⤒	⊟	◈	▥
Upload data	**Prepare data**	**Exploration**	**Present data**
Upload or drag and drop spreadsheets, csv files, and other data sources.	Use data modules to clean and connect data from multiple resources.	Quickly find unbiased answers by identifying trends in your data with data exploration.	Create sophisticated, multi-page, multi-query dashboards, reports, or stories.

Select sources ✕

My content   ▽   ↕

🔍 Type any text to filter items in this folder

⊞	**Assignment-1(Create Data Module)** 21/04/2023, 12:06
⊞	Assignment-1(Exploration) 21/04/2023, 12:03
⊼	**supermarket_sales - Sheet1.csv** 22/04/2023, 11:53
⊞	**Test** 22/04/2023, 00:18
⊞	Test1 22/04/2023, 00:37

Filter by

Reset filters

Type

☐ Folders

☐ Packages

☐ Files

☐ Data sets

☐ Modules

Modified

◉ All

◯ Today

◯ Yesterday

◯ Past week

◯ Past month

Cancel   OK

💾 ⌄   🔗   ↩ ↪   ⬚   ▣   ⚏ **Properties**

▤

Data module	+ ◎

🔍 Search

⬚ New data module

   📁 Navigation paths   +

   ▾ ⬚ supermark...heet1.csv

     ▸ # Row Id

     ▸ abc Invoice ID

     ▸ abc Branch

     ▸ ◉ City

     ▸ abc Customer type

     ▸ abc Gender

     ▸ abc Product line

      📐 Unit price

      📐 Quantity

      📐 Tax 5%

      📐 Total

     ▸ 🕐 Date

     ▸ 🕐 Time

     ▸ abc Payment

      📐 cogs

▦ **Grid**   ⧆ **Relationships**   ▦ **Custom tables**

⇅	Row Id	Invoice ID	Branch	City	Customer type	Gender	Product line
	1	750-67-8428	A	Yangon	Member	Female	Health and beau
	2	226-31-3081	C	Naypyitaw	Normal	Female	Electronic acces
	3	631-41-3108	A	Yangon	Normal	Male	Home and lifest
	4	123-19-1176	A	Yangon	Member	Male	Health and beau
	5	373-73-7910	A	Yangon	Normal	Male	Sports and trave
	6	699-14-3026	C	Naypyitaw	Normal	Male	Electronic acces
	7	355-53-5943	A	Yangon	Member	Female	Electronic acces
	8	315-22-5665	C	Naypyitaw	Normal	Female	Home and lifest
	9	665-32-9167	A	Yangon	Member	Female	Health and beau
	10	692-92-5582	B	Mandalay	Member	Female	Food and bevera
	11	351-62-0822	B	Mandalay	Member	Female	Fashion accesso
	12	529-56-3974	B	Mandalay	Member	Male	Electronic acces
	13	365-64-0515	A	Yangon	Normal	Female	Electronic acces
	14	252-56-2699	A	Yangon	Normal	Male	Food and bevera

Hello. Welcome t

You can get started right away by t
Started tab.

Watch video

Add a data source to explore

My content   Team content

Name	Type	Last Accessed
Assignment-1(Create Data Module)	Data module	21/04/2023, 12:06
supermarket_sales - Sheet1.csv CSV	Uploaded file	22/04/2023, 11:53
Test	Data module	22/04/2023, 00:18
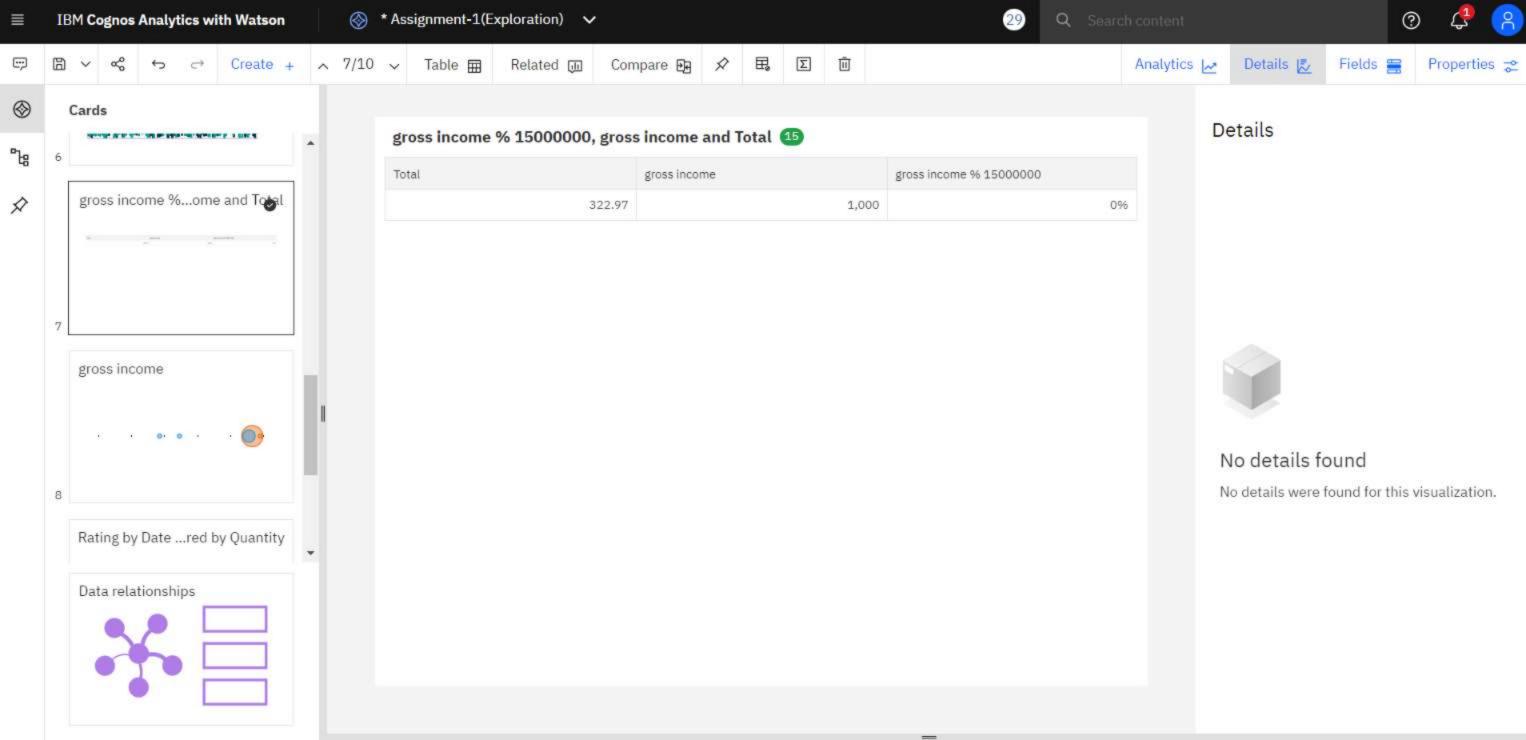
Cancel   Add

∧ Quick launch

Upload data

Upload or drag and drop
spreadsheets, csv files, and other
data sources.
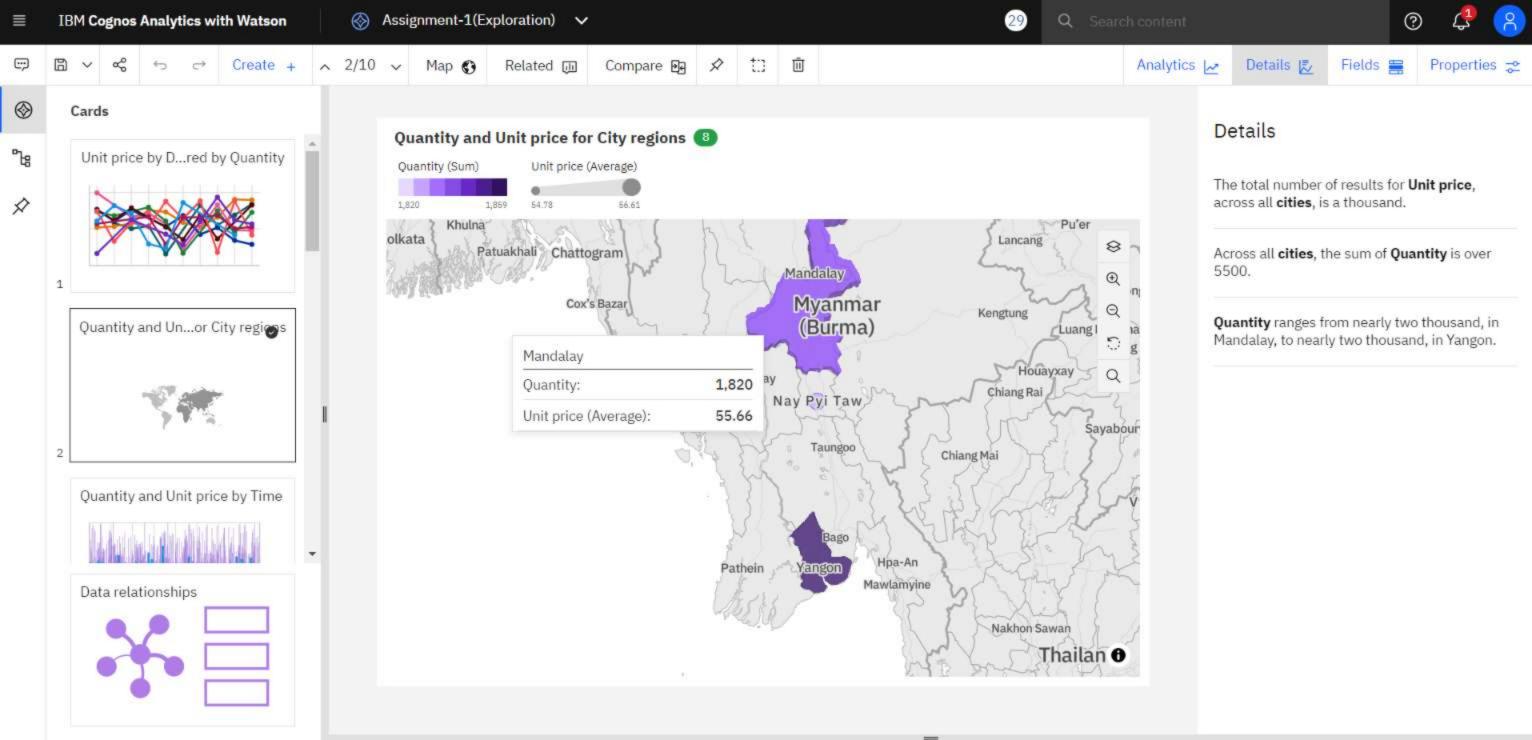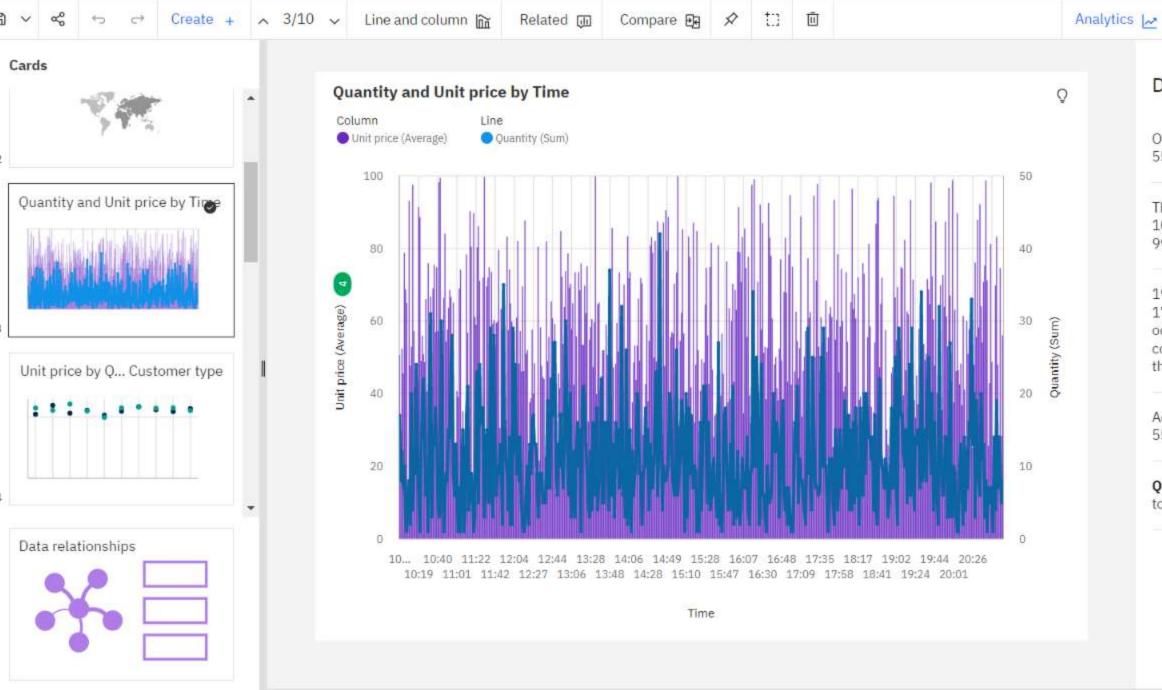
ata

sticated, multi-page,
lashboards, reports,

Analytics ⬚   Details ⬚   Fields ⬚   Properties ⬚

💾 ▾   ⌗   ↶   ↷   Create +   ⌃ 7/10 ▾   Table ⊞   Related ⬚   Compare ⬚   📌   ⬚   Σ   🗑

Cards

6

gross income %...ome and Total

7

gross income

8

Rating by Date ...red by Quantity

Data relationships

gross income % 15000000, gross income and Total `15`

Total	gross income	gross income % 15000000
322.97	1,000	0%

Details

No details found

No details were found for this visualization.

Map | Related | Compare

Analytics | Details | Fields | Properties

Cards

Unit price by D...red by Quantity

1

Quantity and Un...or City regions ✓

2

Quantity and Unit price by Time

Data relationships

Quantity and Unit price for City regions 8

Quantity (Sum)

Unit price (Average)

1,820 — 1,859

54.78 — 56.61

Khulna

olkata

Patuakhali Chattogram

Cox's Bazar

Pu'er

Lancang

Mandalay

Myanmar (Burma)

Kengtung

Luang

Mandalay	
Quantity:	1,820
Unit price (Average):	55.66

Nay Pyi Taw

Houayxay

Chiang Rai

Sayabour

Taungoo

Chiang Mai

Bago

Pathein Yangon

Hpa-An

Mawlamyine

Nakhon Sawan

Thailan ⓘ

Details

The total number of results for **Unit price**, across all **cities**, is a thousand.

Across all **cities**, the sum of **Quantity** is over 5500.

Quantity ranges from nearly two thousand, in Mandalay, to nearly two thousand, in Yangon.

Cards

2

Quantity and Unit price by Time

3

Unit price by Q... Customer type

4

Data relationships

Quantity and Unit price by Time

Column | Line
● Unit price (Average) | ● Quantity (Sum)

Time

Details

Over all **times**, the average of **Unit price** is 55.67.

The average values of **Unit price** range from 10.59, occurring when **Time** is 13:52:00, to 99.92, when **Time** is 13:33:00.

19:48:00 (0.7 %), 14:42:00 (0.7 %), and 17:38:00 (0.6 %) are the most frequently occurring categories of **Time** with a combined count of 20 items with **Unit price** values (2 % of the total).

Across all **times**, the sum of **Quantity** is over 5500.

Quantity ranges from 1, when **Time** is 10:06:00, to 42, when **Time** is 14:42:00.

Assignment-1(Exploration) ⌄

29

Search content

Cards

2

Quantity and Unit price by Time

3

Unit price by Q... Customer type

4

Unit price by Q... Customer type

Data relationships

Unit price by Quantity colored by Customer type 💡

Customer type
● Member ● Normal

2 | Member
_____
Unit price (Average): **55.38**

Unit price (Average) axis: 60, 40, 30, 20, 10, 0

Quantity axis: 1 2 3 4 5 6 7 8 9 10

Quantity **4**

Details

Over all **quantities** and **customer types**, the average of **Unit price** is 55.67.

The average values of **Unit price** range from 49.57 to 60.55.

Member is the most frequently occurring category of **Customer type** with a count of 501 items with **Unit price** values (50.1 % of the total).

10 is the most frequently occurring category of **Quantity** with a count of 119 items with **Unit price** values (11.9 % of the total).

Cards

4

Unit price by Q... Customer type

Average: 55.67

5

cogs by Time c... Customer type

6

gross income %...ome and Total

Data relationships

Unit price by Quantity colored by Customer type

Customer type
● Member ● Normal

60

Average: 55.67

50

Unit price (Average)

40

30

20

10

0

1   2   3   4   5   6   7   8   9   10

Quantity 4

Details

Over all **quantities** and **customer types**, the average of **Unit price** is 55.67.

The average values of **Unit price** range from 49.57 to 60.55.

10 is the most frequently occurring category of **Quantity** with a count of 119 items with **Unit price** values (11.9 % of the total).

Member is the most frequently occurring category of **Customer type** with a count of 501 items with **Unit price** values (50.1 % of the total).

Create + · ∧ 6/10 ∨ · Line ∿ · Related · Compare · Analytics ∿ · Details · Fields · Properties

Cards

4

Unit price by Q... Customer type

Average: 55.67

5

cogs by Time c... Customer type

Average: 441.3

6

gross income %...ome and Total

Data relationships

cogs by Time colored by Customer type

Customer type
● Member ● Normal

2,000

1,800

1,600

1,400

1,200

cogs (Sum)

1,000

800

600

Average: 441.3

0

Member	
cogs:	156,403.28

10:00　10:40　11:22　12:04　12:44　13:28　14:06　14:49　15:28　16:07　16:48　17:35　18:17　19:02　19:44　20:26
　　10:19　11:01　11:42　12:27　13:06　13:48　14:28　15:10　15:47　16:30　17:09　17:58　18:41　19:24　20:01　2...

Time

Details

Over all **times** and **customer types**, the sum of **cogs** is almost 308 thousand.

The summed values of **cogs** range from 12.78 to nearly two thousand.

For **cogs**, the most significant value of **Customer type** is Member, whose respective **cogs** values add up to over 156 thousand, or 50.8 % of the total.

For **cogs**, the most significant values of **Time** are 14:42:00 and 13:48:00, whose respective **cogs** values add up to nearly five thousand, or 1.6 % of the total.

Analytics ⤳ | Details ⤳ | Fields ▦ | Properties ⚙

Create + | ⌄ 8/10 ⌄ | Driver analysis ⊶ | Related ▥ | Compare ▣

Cards

7

gross income ✓

Rating by Date ...red by Quantity

8

9

Data relationships

---

gross income

● 1 Driver　● 2 Drivers

0 — 20 — 40 — 60 — 80 — 100

Predictive strength

---

gross income by Quantity (Group) and Unit price (Group)

gross income (Ave...

1.23　　　44.56

less than 25.0600	25.0600 to < 40.0400	40.0400 to < 55.0200	55.0200 to < 70.0000	70.0000 to < 84.9800	84.9800 and above

Add +

Details

No details found

No details were found for this visualization.

💬 💾 ⌄ ⛓ ↶ ↷   Create +   ⌃ 9/10 ⌄   Area 🏔   Related 📊   Compare 🗎   📌 🗑   Analytics 📈   Details 📉   Fields 🗄   Properties ⚙

⊛ Cards

📍

Rating by Date colored by Quantity ④   🔽 💡

Quantity
● 1 ● 2 ● 3 ● 4 ● 5 ● 6 ● 7 ● 8 ● 9 ● 10

8

Rating by Date ...red by Quantity ✓

9

Rating, Date

10

Data relationships

Details

Rating is unusually low when **Quantity** is 9.

Over all **dates** and **quantities**, the average of **Rating** is 7.051.

The average values of **Rating** range from 4 to 9.8.

2/7/2019 (11.4 %) and 2/15/2019 (10.9 %) are the most frequently occurring categories of **Date** with a combined count of 39 items with **Rating** values (22.3 % of the total).

10 (13.1 %) and 3 (12 %) are the most frequently occurring categories of **Quantity** with a combined count of 44 items with **Rating** values (25.1 % of the total).

6
_____
Rating (Average):   N/A

70

60

50

Rating (Average)

40

30

10

0

3/9/2019   3/5/2019   3/14/2019   2/7/2019   2/15/2019   1/8/2019   1/26/2019   1/25/2019   1/23/2019   1/19/2019

Date

💾 ⌄   ⤣   ↶ ↷   Create +   ⌃ 10/10 ⌄   Waterfall ▥   Related ▦   Compare ▦   📌 ⛶ 🗑   Analytics ⬈   Details ⬓   Fields ▤   Properties ⚙

Cards

8

Rating by Date ...red by Quantity

9

Rating, Date   ✓

10

Data relationships

Rating, Date ④   ⚠

Column values
● Increase   ● Decrease   ● Sum

| 1/1/2019 | 1/10/2019 | 1/11/2019 | 1/12/2019 |

1/10/2019

Rating (Average):	6.07
Quantity:	55

Details

The total number of results for **Rating**, across all **dates**, is a thousand.

The total number of results for **Quantity**, across all **dates**, is a thousand.

Over all **dates**, the average of **Quantity** is 5.51.

The average values of **Rating** range from 5.908, occurring when **Date** is 2/9/2019, to 8.614, when **Date** is 1/22/2019.

Quantity ranges from 18, when **Date** is 2/21/2019, to 128, when **Date** is 2/7/2019.

2/7/2019 (2 %) and 2/15/2019 (1.9 %) are the most frequently occurring categories of **Date** with a combined count of 39 items with **Rating** values (3.9 % of the total).

2/7/2019 (2 %) and 2/15/2019 (1.9 %) are the most frequently occurring categories of **Date** with a combined count of 39 items with

💾 ⌄ ⤴ ↩ ↪ Create + ⌃ 1/10 ⌄ Line ∿ Related ▦ Compare ▣ 📌 ⬚ 🗑 **Analytics** ∿ **Details** ⤳ **Fields** ▤ **Properties** ⚏

Cards

Unit price by D...red by Quantity ✓

1

Quantity and Un...or City regions

2

Quantity and Unit price by Time

Data relationships

Unit price by Date colored by Quantity 4

🔻 ∿ 💡

Quantity
● 1 ● 2 ● 3 ● 4 ● 5 ● 6 ● 7 ● 8 ● 9 ● 10

110
100
90
80
4 70 (average)
60

3/20/2019 | 5

Unit price (Average): 58.81

30
20
10
0

3/9/2019 3/5/2019 3/20/2019 3/2/2019 3/14/2019 2/7/2019 2/25/2019 2/15/2019 1/25/2019 1/23/2019

Date

Details

Over all **dates** and **quantities**, the average of **Unit price** is 59.63.

The average values of **Unit price** range from 15.69 to 99.47.

3 (12.1 %) and 10 (12.1 %) are the most frequently occurring categories of **Quantity** with a combined count of 42 items with **Unit price** values (24.3 % of the total).

2/7/2019 (11.6 %) and 2/15/2019 (11 %) are the most frequently occurring categories of **Date** with a combined count of 39 items with **Unit price** values (22.5 % of the total).

us1.ca.analytics.ibm.com/bi/?perspective=explore&id=i4FDBC960FA364FDAB67614E24065B721&objRef=i4FDBC960FA364FDAB67614E24065B721&options%5BdisableGlassPrefetch%5D=tru

IBM Cognos Analytics with Watson · ⬦ * Assignment-1(Exploration) ⌄ · 29 · 🔍 Search content · ⊘ 🔔 1 · 👤

💬 | 💾 ⌄ | ✧ | ↺ ↻ | Create + | ⌃ 10/10 ⌄ | Waterfall 📊 | Related 📊 | Compare 🔢 | 📌 ⌗ 🗑 | Analytics 📈 | Details 📉 | Fields ⊞ | Properties ⚙

◈ **Cards**

⊟

📌

8

Rating by Date ...red by Quantity

9

Rating, Date ✓

10

Data relationships

Rating, Date ④

Column values
🟢 Increase 🔴 Decrease 🟣 Sum

| 1/1/2019 | 1/10/2019 | 1/11/2019 | 1/12/2019 |

1/10/2019	
Rating (Average):	6.07
Quantity:	55

Details

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Quantity ranges from 18, when **Date** is 2/21/2019, to 128, when **Date** is 2/7/2019.

2/7/2019 (2 %) and 2/15/2019 (1.9 %) are the most frequently occurring categories of **Date** with a combined count of 39 items with **Rating** values (3.9 % of the total).

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