WHAT IS "TIDY" DATA IN TABLEAU?

For optimum results with Tableau, the data should be in a structured or **"Tidy"** format. Simply stating it should be formatted like a table or spreadsheet.

For Data to be called **"Tidy"** the below mentioned requirements must be met:

1. Each **column** represents **one attribute** or **variable** of the data
2. Each **row** represents one **observation** or one **item** or one **record** and is unique
3. All values are available i.e., there **are no missing** or **empty values**

In case the data is not in the "Tidy" format it will require to be prepped by other tools before it is brought into Tableau apart from using Tableau's built-in tool.

WHAT IS "TIDY" DATA IN TABLEAU?

# Orders Row ID	Abc Orders Order ID	🗓 Orders Order Date	🗓 Orders Ship Date	Abc Orders Ship Mode	Abc Orders Customer ID	Abc Orders Customer Name	Abc Orders Segment	⊕ Orders Country/Region
1	CA-2021-152156	08-11-2021	11-11-2021	Second Class	CG-12520	Claire Gute	Consumer	United States
2	CA-2021-152156	08-11-2021	11-11-2021	Second Class	CG-12520	Claire Gute	Consumer	United States
3	CA-2021-138688	12-06-2021	16-06-2021	Second Class	DV-13045	Darrin Van Huff	Corporate	United States
4	US-2020-108966	11-10-2020	18-10-2020	Standard Class	SO-20335	Sean O'Donnell	Consumer	United States
5	US-2020-108966	11-10-2020	18-10-2020	Standard Class	SO-20335	Sean O'Donnell	Consumer	United States
6	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
7	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
8	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
9	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
10	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
11	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
12	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
13	CA-2022-114412	15-04-2022	20-04-2022	Standard Class	AA-10480	Andrew Allen	Consumer	United States
14	CA-2021-161389	05-12-2021	10-12-2021	Standard Class	IM-15070	Irene Maddox	Consumer	United States
15	US-2020-118983	22-11-2020	26-11-2020	Standard Class	HP-14815	Harold Pawlan	Home Office	United States

Each **column** represents a single **variable**

NOTE: In this example all columns are present but only one column is high-lighted

WHAT IS "TIDY" DATA IN TABLEAU?

# Orders Row ID	Abc Orders Order ID	Orders Order Date	Orders Ship Date	Abc Orders Ship Mode	Abc Orders Customer ID	Abc Orders Customer Name	Abc Orders Segment	Orders Country/Region
1	CA-2021-152156	08-11-2021	11-11-2021	Second Class	CG-12520	Claire Gute	Consumer	United States
2	CA-2021-152156	08-11-2021	11-11-2021	Second Class	CG-12520	Claire Gute	Consumer	United States
3	CA-2021-138688	12-06-2021	16-06-2021	Second Class	DV-13045	Darrin Van Huff	Corporate	United States
4	US-2020-108966	11-10-2020	18-10-2020	Standard Class	SO-20335	Sean O'Donnell	Consumer	United States
5	US-2020-108966	11-10-2020	18-10-2020	Standard Class	SO-20335	Sean O'Donnell	Consumer	United States
6	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
7	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
8	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
9	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
10	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
11	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
12	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
13	CA-2022-114412	15-04-2022	20-04-2022	Standard Class	AA-10480	Andrew Allen	Consumer	United States
14	CA-2021-161389	05-12-2021	10-12-2021	Standard Class	IM-15070	Irene Maddox	Consumer	United States
15	US-2020-118983	22-11-2020	26-11-2020	Standard Class	HP-14815	Harold Pawlan	Home Office	United States

Each **row** represents a **unique observation**

NOTE: In this example all rows are present but only one row is high-lighted

WHAT IS "TIDY" DATA IN TABLEAU?

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	Country/Region
1	CA-2021-152156	08-11-2021	11-11-2021	Second Class	CG-12520	Claire Gute	Consumer	United States
2	CA-2021-152156	08-11-2021	11-11-2021	Second Class	CG-12520	Claire Gute	Consumer	United States
3	CA-2021-138688	12-06-2021	16-06-2021	Second Class	DV-13045	Darrin Van Huff	Corporate	United States
4	US-2020-108966	11-10-2020	18-10-2020	Standard Class	SO-20335	Sean O'Donnell	Consumer	United States
5	US-2020-108966	11-10-2020	18-10-2020	Standard Class	SO-20335	Sean O'Donnell	Consumer	United States
6	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
7	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
8	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
9	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
10	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
11	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
12	CA-2019-115812	09-06-2019	14-06-2019	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States
13	CA-2022-114412	15-04-2022	20-04-2022	Standard Class	AA-10480	Andrew Allen	Consumer	United States
14	CA-2021-161389	05-12-2021	10-12-2021	Standard Class	IM-15070	Irene Maddox	Consumer	United States
15	US-2020-118983	22-11-2020	26-11-2020	Standard Class	HP-14815	Harold Pawlan	Home Office	United States

All values are **filled-in** and **available**

NOTE: In this example all values are filled-in but the values of only one column and row are high-lighted