Data Fluency: Exploring & Describing the Data

Data Types

1.

Qualitative Data

Text/Descriptive Data

Observation Notes
Semi-structured interviews
Open-ended survey
Participant diaries or journals
Portfolios of evidence
Case Studies

2.

Quantitative Data

Numerical Data

- Revenue
- Price
- Quantity
- Age in Months or years
- Experimental results

- CSV- Comma Separated Values
- TXT
- XLSX
- HTML
- JSON
- PDF

CSV- Comma Separated Values

```
ORDERNUMBER, QUANTITYORDERED, PRICEEACH, ORDERLINENUMBER, SALES, ORDERDATE, DAYS_SINCE_LASTORDER, STATUS, PRODUCTLINE, MSRP, PRODUCTCODE, CUSTOMERNAME, PHONE, ADDRE E1, CITY, POSTALCODE, COUNTRY, CONTACTLASTNAME, CONTACTFIRSTNAME, DEALSIZE

10107, 30, 95.70, 2, 2871, 24/02/2018, 828, Shipped, Motorcycles, 95, S10_1678, Land of Toys Inc., 2125557818, 897 Long Airport Avenue, NYC, 10022, USA, Yu, Kwai, Small 10121, 34, 81.35, 5, 2765.9, 07/05/2018, 757, Shipped, Motorcycles, 95, S10_1678, Reims Collectables, 26.47.1555, 59 rue de

1'Abbaye, Reims, 51100, France, Henriot, Paul, Small 10134, 41, 94.74, 2, 3884.34, 01/07/2018, 703, Shipped, Motorcycles, 95, S10_1678, Lyon Souveniers, +33 1 46 62 7555, 27 rue du Colonel Pierre Avia, Paris, 75508, Frar Cunha, Daniel, Medium 10145, 45, 83.26, 6, 3746.7, 25/08/2018, 649, Shipped, Motorcycles, 95, S10_1678, Toys4GrownUps.com, 6265557265, 78934 Hillside Dr., Pasadena, 90003, USA, Young, Julie, N 10168, 36, 96.66, 1, 3479.76, 28/10/2018, 586, Shipped, Motorcycles, 95, S10_1678, Technics Stores Inc., 6505556809, 9408 Furth Circle, Burlingame, 94217, USA, Hirano, Juri, Medium 10180, 29, 86.13, 9, 2497.77, 11/11/2018, 573, Shipped, Motorcycles, 95, S10_1678, Daedalus Designs Imports, 20.16.1555, "184, chausse de Tournai", Lille, 59000, France, Rance, Martine, Small 10188, 48, 114.84, 11, 5512.32, 18/11/2018, 567, Shipped, Motorcycles, 95, S10_1678, Herkku Gifts, +47 2267 3215, "Drammen 121, PR 744 Sentrum", Bergen, N 5804, Norway, Oeztan, Veysel, Medium 10211, 41, 114.84, 14, 4708.44, 15/01/2019, 510, Shipped, Motorcycles, 95, S10_1678, Auto Canal Petit, (1) 47.55.6555, "25, rue
```

JSON

```
Example 1:
{
    "fruit": "Apple",
    "size": "Large",
    "color": "Red"
}
```

```
Example 2:
    "quiz": {
        "sport": {
            "q1": {
                "question": "Which one is correct team name in NBA?",
                "options": [
                    "New York Bulls",
                    "Los Angeles Kings",
                    "Golden State Warriros",
                    "Huston Rocket"
                "answer": "Huston Rocket"
        },
```

HTML

```
<!DOCTYPE html>
<html>
<style>
table, th, td {
 border:1px solid black;
</style>
<body>
<h2>A basic HTML table</h2>
Company
  Contact
  Country
 Alfreds Futterkiste
  Maria Anders
  Germany
```

Company	Contact	Country
Alfreds Futterkiste	Maria Anders	Germany
Centro comercial Moctezuma	Francisco Chang	Mexico