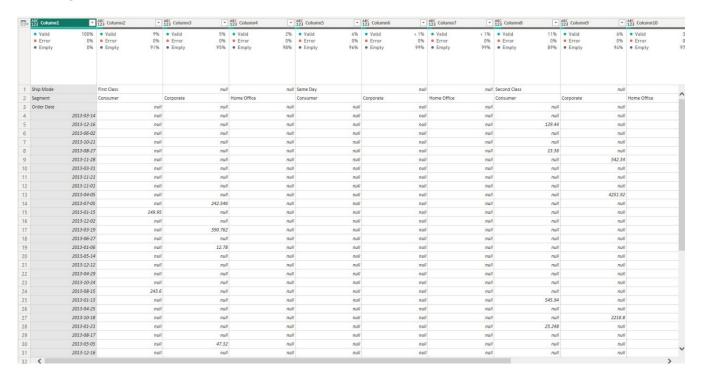
Power BI Data Transformation Documentation

This document outlines the data cleaning and transformation steps applied to the "Dirty 1" table using Power Query in Power BI. The goal was to convert an unstructured, multiheader layout into a clean, analysis-ready format.

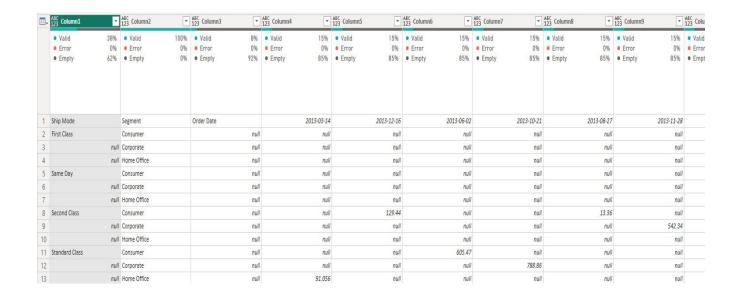
1. Source

Connected to the Excel file and selected the sheet named "Sheet".



2. Transposed Table

- Used the Transpose function to flip rows into columns.
- The original data had column headers and segment info stored vertically.
 Transposing made the structure suitable for tabular formatting.



3. Promoted Headers

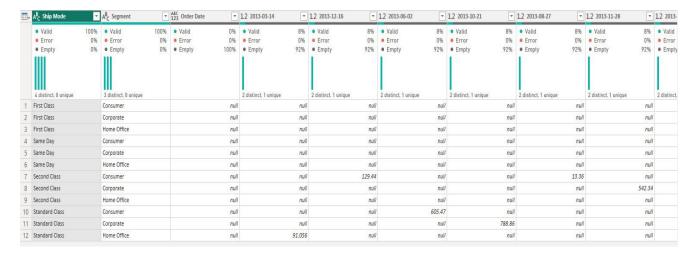
Used "Use First Row as Headers".

4. Changed Type

Applied automatic data type detection to all columns.

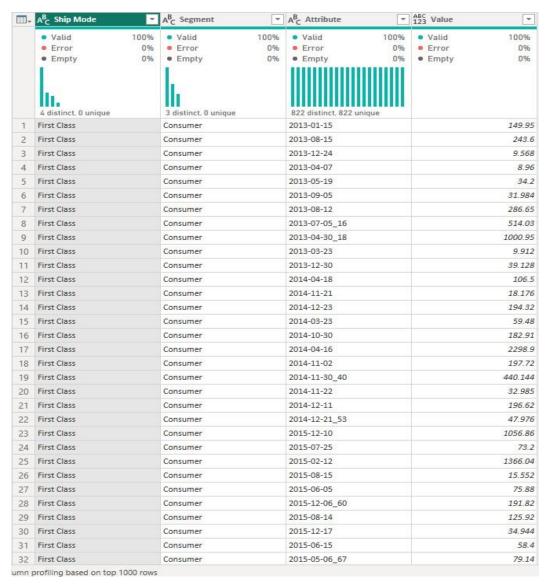
5. Filled Down

- Applied Fill Down on the "Ship Mode" and "Segment" columns.
- These columns had merged cells in the original file, resulting in nulls after transformation. Fill Down ensures each row has complete contextual info.



6. Unpivoted Other Columns

- Selected key identifier columns and used Unpivot Other Columns.
- To convert wide-format columns (e.g., multiple columns for segments like Consumer, Corporate) into tidy row-based structure (attribute-value pairs).



7. Extracted Text Before Delimiter

Extracted using text before delimiter "_" in date field.



8. Renamed Columns

• Renamed generic columns (like "Attribute", "Value") to meaningful names such as Date, Sales.

9. Changed Type1

Re-applied column data types for Date as date and decimal number for Sales.

- □	A ^B _C Ship Mode	-	A ^B C Segment	-	Date Date	-	1.2 Sales	~
	Valid Frror Empty	100% 0% 0%	Valid Error Empty	100% 0% 0%	ValidErrorEmpty	100% 0% 0%	ValidErrorEmpty	100% 0% 0%
	4 distinct, 0 unique		3 distinct, 0 unique		604 distinct, 444	4 unique	800 distinct, 78	2 unique
1	First Class		Consumer			2013-01-15		149.95
2	First Class		Consumer			2013-08-15		243.6
3	First Class		Consumer			2013-12-24		9.568
4	First Class		Consumer			2013-04-07		8.96
5	First Class		Consumer			2013-05-19		34.2
6	First Class		Consumer			2013-09-05		31.984
7	First Class		Consumer			2013-08-12		286.65
8	First Class		Consumer			2013-07-05		514.03
9	First Class		Consumer			2013-04-30		1000.95
10	First Class		Consumer			2013-03-23		9.912
11	First Class		Consumer			2013-12-30		39.128
12	First Class		Consumer			2014-04-18		106.5
13	First Class		Consumer			2014-11-21		18.176
14	First Class		Consumer			2014-12-23		194.32
15	First Class		Consumer			2014-03-23		59.48
16	First Class		Consumer			2014-10-30		182.91
17	First Class		Consumer			2014-04-16		2298.9
18	First Class		Consumer			2014-11-02		197.72
19	First Class		Consumer			2014-11-30		440.144
20	First Class		Consumer			2014-11-22		32.985
21	First Class		Consumer			2014-12-11		196.62
22	First Class		Consumer			2014-12-21		47.976
23	First Class		Consumer			2015-12-10		1056.86
24	First Class		Consumer			2015-07-25		73.2
25	First Class		Consumer			2015-02-12		1366.04
26	First Class		Consumer			2015-08-15		15.552
27	First Class		Consumer			2015-06-05		75.88
28	First Class		Consumer			2015-12-06		191.82
29	First Class		Consumer			2015-08-14		125.92
30	First Class		Consumer			2015-12-17		34.944
31	First Class		Consumer			2015-06-15		58.4
32	First Class		Consumer			2015-05-06		79.14

umn profiling based on top 1000 rows