**Workshop materials (Dataset, Codes, Screenshots)**

Dataset: <https://services.odata.org/Northwind/Northwind.svc/>

**Workshop Session 1**

A screenshot of a computer

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| --- |
| Unit Price = RELATED(Products[Unit Price]) |

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| --- |
| Sales Value = Orders[Quantity] \* Orders[Unit Price] |

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| Total Sales Quantity = SUM(Orders[Quantity]) |

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| Avg Sales Per Unit = DIVIDE([Total Sales Value], [Total Sales Quantity], 0) |

**Workshop Session 2**

Table

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| --- |
| Calendar = CALENDAR(MIN(Orders[OrderDate]), MAX(Orders[RequiredDate])) |

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| Week No = CONCATENATE("Wk ", WEEKNUM(Calendar[Date])) |

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| <https://unsplash.com/@nasa> |

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| --- |
| Days to Deliver = DATEDIFF(Orders[OrderDate], Orders[ShippedDate], DAY)  Green: 1 to 5  Yellow: 6 to 21  Red: > 22 |

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| --- |
| On Time % =  DIVIDE(  CALCULATE(COUNTROWS(Orders), Orders[On Time] = TRUE()), -- Get number of rows of orders where on time is TRUE  CALCULATE(COUNTROWS(Orders)), -- Get number of rows of orders  0  ) |

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| --- |
| On Time =  // If delivered on time, return TRUE, else FALSE  IF(Orders[RequiredDate] >= Orders[ShippedDate], TRUE(), FALSE()) |

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| --- |
| Product Name = LOOKUPVALUE(Products[Product Name], Products[ProductID], Orders[ProductID]) |

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| Category = RELATED(Categories[Category Name]) |

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| --- |
| Order Group Table =  DISTINCT(  SELECTCOLUMNS(  Orders,  "OrderID", Orders[OrderID],  "ProductID", Orders[ProductID],  "Product Name", Orders[Product Name],  "Category", Orders[Category],  "Sales Quantity", Orders[Quantity]  )  ) |

|  |
| --- |
| Cross-Selling Table =  SUMMARIZE(  Orders, Orders[OrderID],  "Sales Quantity", SUM(Orders[Quantity]),  "Category",  CONCATENATEX(  SUMMARIZE(  FILTER ('Orders', 'Orders'[Category] <> BLANK ()),  'Orders'[Category]),  'Orders'[Category],  "-"),  "Product Name",  CONCATENATEX(  SUMMARIZE(  FILTER ('Orders', 'Orders'[Product Name] <> BLANK ()),  'Orders'[Product Name]),  'Orders'[Product Name],  "-")) |

Graphical user interface, text

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|  |
| --- |
| Order Count % =  DIVIDE(  DISTINCTCOUNT('Order Group Table'[OrderID]),  CALCULATE(DISTINCTCOUNT('Order Group Table'[OrderID]), ALL('Order Group Table'[Category])),  0  ) |