Data wrangling with Tableau and Excel — October 11 2016 JRNL 520H	What is data wrangling? Data wrangling is the process of preparing raw data for use in a data analysis or visualization software.	What are the causes of dirty data? • Data entry error	What are the causes of dirty data? Data entry error Incompatible tables
What are the causes of dirty data? Data entry error Incompatible tables Incompatible table format	What should we look out for when cleaning data? • Table formating	What should we look out for when cleaning data? Table formating Variable type	What should we look out for when cleaning data? Table formating Variable type Invalid character values
What should we look out for when cleaning data? Table formating Variable type Invalid character values Invalid numeric values	What should we look out for when cleaning data? Table formating Variable type Invalid character values Invalid numeric values Grouping data	What should we look out for when cleaning data? Table formating Variable type Invalid character values Invalid numeric values Grouping data Missing values	Ideal format of data in Tableau 1. Start your data in cell A1. Remove all introductory information and footnotes. 2. Have the first row be the column headers/variable names 3. Have every subsequent row be one observation. No cross-tabulation!
Ideal format of data in Tableau Before After After Active of the control of t	Edeal format of data in Tableau Selve Maria Maria	Data Interpreter Tableau's Data Interpreter feature draws out sub-tables and removes some of that extraneous information to help prepare your data source for analysis. Note: the data interpreter only works with Microsoft Excel files, not CSV or other file types.	Data Interpreter Tableau's Data Interpreter feature draws out sub-tables and removes some of that extraneous information to help prepare your data source for analysis. Note: the data interpreter only works with Microsoft Excel files, not CSV or other file types. Complete Tableau exercise

