

Data Prep in Excel vs Alteryx

| Task | Excel | Alteryx |
|---|--|---|
| Update data types Rename columns Remove columns Change column order | Format cells or change syntax, rename column headers, delete columns or select and shift to move columns. |  Use the Select Tool to easily change data types, rename fields, remove fields or re-order fields |
| Change data types | Format cells using the format cells menu or change syntax |  Use the Auto Field Tool to automatically update the data types of your fields to match the values contained in the field |
| Remove Rows | Manually select the rows you'd like to delete or use a quick filter to remove what you don't need |  Use the Filter Tool to create simple or complex filters on your data rows. |
| Sort | Highlight the columns and do a regular or custom sort. |  Use the Sort Tool to sort your data |
| Formulas | Write formula in cell and drag down to carry formula into more cells |  Use the Formula Tool to create new fields or update existing fields with a wide variety of formulas |
| Cumulative Sum, 3 month Running Totals, <i>etc</i> Formulas containing multiple rows of data | Enter value into first cell then create formula using the starting point and additional rows of data. Drag formula to applicable rows. |  Use the Multi Row Formula Tool to utilize more than one row of data in your formulas. |
| Calculate the % each field makes of the whole | Create a table of your data and pivot on the data |  Use the Multi Field Formula Tool to execute a single function on multiple fields |

Data Parse, Blend, and Transform in Excel vs Alteryx

| Task | Excel | Alteryx |
|--|--|---|
| Separate Data from a Single cell into multiple cells | Select columns and use the Text to Columns Wizard |  Use the Text to Columns Tool to split a field with a regular format, such as, a csv. |
| Join two tables with a common field | Use VLOOKUP formula or wizard |  Use the Join Tool to join two tables with a common field. |
| Append Rows | Copy and paste contents of table so fields align appropriately |  Use the Union Tool to combine multiple worksheets based on the field names or maintaining the position of each column. |
| Pivot Table | Build a pivot table and mold data to desired shape |  Use the Cross Tab Tool to pivot the orientation of the data table so vertical data fields can be viewed on a horizontal axis summarizing data where specified. |
| Pivot Table | Build a pivot table and mold data to desired shape |  Use the Transpose Tool to pivot the orientation of the data table. It transforms the data so you may view Horizontal data fields on a vertical axis. |
| Aggregate and Sum data | Write a sum formula or use the auto-sum symbol |  Use the Summarize Tool to aggregate data perform operations, like sum or count, on numeric fields. |