

Excel Data

types, checking, and conversions

Four Main Data Types in Excel

- Number
- Text
- Date
- Logical

Number – 100, 2.5, 892.407

Text – red, Joshua, Florida

Dates – 2008-02-08, 1986-09-10, 2020-02-11

Logical – TRUE, TRUE, FALSE

ISLOGICAL()

[illegible]

Converting data types

Text → Number

N()

Logical → Number

N()

Number → Percentage

TO_PERCENT()

For some format transformations,
using Format Cells is the best
option! Lots of data categories

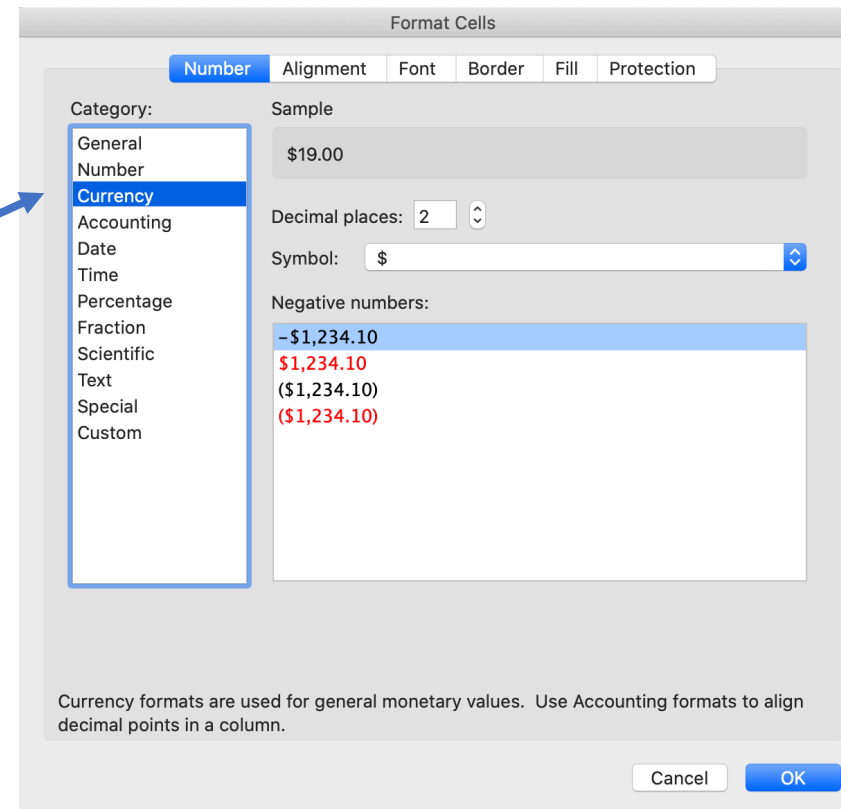
Rounding data

ROUND(<value>)

ROUND(<value>, <number of decimal places to round to>)

FLOOR(<value>)

CEILING(<value>)



CONVERT() Function

Syntax: CONVERT(**value**, **from_measurement**, to_measurement)

CONVERT(**22**, **"C"**, **"F"**) will convert 22 from degrees Celsius to degrees Fahrenheit

CONVERT(**100**, **"yd"**, **"m"**) will convert 100 from yards to meters

The list of from/to measurements is extensive and can be found at <https://exceljet.net/excel-functions/excel-convert-function>

Exercises

1. Insert a column to the right of the **age** column. Call it **age_is_number**? Write a formula to check whether the value in the **age** column is a number.
2. Insert a column to the right of the **height** column in the Star Wars dataset. Call this **height_inches**. Write a formula in the new column to convert **height** from centimeters to inches. Round it to the nearest whole number.
3. Insert a column to the right of the mass column. Call the new column weight. Write a formula to convert the mass column from kilograms to pounds. Round this to the nearest whole number. What is Jabba the Hutt's weight in pounds?