**Pipsqueak Analysis Outline**

**What I need:** The number (column A) and average integrated density (column O) of single-label (PV, WFA, and c-Fos), double-label (PV coloc w/ WFA, c-Fos coloc w/ PV, c-Fos coloc w/ WFA, WFA coloc w/ c-Fos, and WFA coloc w/ parvalbumin), and triple-label (PV, WFA, and c-Fos) for each image

**Types of data:**

* Single-label data
* Double-label data
* Triple-label data

**Folders:**

Pipsqueak data 🡪 70.01 🡪 deep or sup (deep layers of PFC or superficial layers or PFC)

* Folders for each section of brain (1-4) and stain type (1-3)
* Individual folders for single-label data
  + 70.02\_LeftIL\_1\_1 (PV)
  + 70.02\_LeftIL\_1\_2 (c-Fos)
  + 70.02\_LeftIL\_1\_3 (WFA)
* Double-label data
  + Only one folder per subject
* Triple-label data
  + Only one folder per subject

**Single-label:**

* csv files (in “deep” or “sup”):
  + 70.02\_LeftIL\_1\_1\_limitedArea\_{single}\_{Parvalbumin}\_measurements.csv
    - In 70.02\_LeftIL\_1\_1 folder
  + 70.02\_LeftIL\_1\_2\_limitedArea\_{single}\_{c-Fos}\_measurements.csv
    - In 70.02\_LeftIL\_1\_2 folder
  + 70.02\_LeftIL\_1\_3\_limitedArea\_{single}\_{WFA}\_measurements.csv
    - In 70.02\_LeftIL\_1\_3 folder

**Double-label:**

* csv files (in “deep” or “sup”):
  + 70.02\_LeftIL\_1\_1\_limitedArea\_{double}\_{parvalbumin\_coloc\_with\_c-Fos}\_measurements.csv
  + 70.02\_LeftIL\_1\_1\_limitedArea\_{double}\_{parvalbumin\_coloc\_with\_WFA}\_measurements.csv
  + 70.02\_LeftIL\_1\_2\_limitedArea\_{double}\_{c-Fos\_coloc\_with\_parvalbumin}\_measurements.csv
  + 70.02\_LeftIL\_1\_2\_limitedArea\_{double}\_{c-Fos\_coloc\_with\_WFA}\_measurements.csv
  + 70.02\_LeftIL\_1\_3\_limitedArea\_{double}\_{WFA\_coloc\_with\_c-Fos}\_measurements.csv
  + 70.02\_LeftIL\_1\_3\_limitedArea\_{double}\_{WFA\_coloc\_with\_parvalbumin}\_measurements.csv

**Triple-label:**

* csv files (in “deep” or “sup”):
  + 70.02\_LeftIL\_1\_1\_limitedArea\_{triple}\_{Parvalbumin}\_measurements.csv
  + 70.02\_LeftIL\_1\_2\_limitedArea\_{triple}\_{c-Fos}\_measurements.csv
  + 70.02\_LeftIL\_1\_3\_limitedArea\_{triple}\_{WFA}\_measurements.csv