```
import pandas as pd
import numpy as np

"""USER INPUTS"""

"""input csv file path"""
CSV = "../output/filtered-sample.csv"

"""output xlsx file path"""
XLSX = "../output/filtered-sample.xlsx"

# read in and format
data = pd.read_csv(CSV)
if "Unnamed: 0" in data.columns:
    data.drop("Unnamed: 0", axis=1, inplace=True)
data = data[['idx','qtag','barcode','mcountsPF','readsPF']]
data.sort_values(by=['idx','mcountsPF','readsPF'], ascending=[True,False,False],
inplace=True)
# write each idx to excel
writer = pd.ExcelWriter(XLSX)
data.groupby('idx').apply(lambda x: x.to_excel(writer, x.name, index=False))
# save excel and close
writer.save(
```