ABC analysis

1. Define the ABC category for every product **in every month <u>only in 2022</u>** using the following intervals:
    1. **A**: $0\% \leq x < 80\%$
    2. **B**: $80\% \leq x < 95\%$
    3. **C**: $95\% \leq x \leq 100\%$
2. Create a pareto chart for the month of January.
3. Use the following weights to define **one** final ABC category for each product (create 1 final category from the 12 ABC values you previously calculated in task 2):
    1. **A**: 4
    2. **B**: 2
    3. **C**: 1

XYZ analysis

*Aggregate the demands **for every week (in 2022)** and use this data to do the following methods:*

1. Define a category for each product using the traditional XYZ analysis and these intervals:
    1. **X**: $0\% \leq x < 20\%$
    2. **Y**: $20\% \leq x < 50\%$
    3. **Z**: $50\% \leq x$
2. Choose a product with sporadic demands, and define additional two category values using tXYZ and RXY analysis for this chosen product.
3. Summarize the final ABC and traditional XYZ categories of the products in a common table. (E.g. count the different ABC-XYZ pairs.)

Requirements

- the “ABC” worksheet should contain every ABC analysis calculation
- the “XYZ” worksheet should contain every XYZ, tXYZ and RXYZ analysis calculations
- you **<u>must use at least the following</u>** functions: OFFSET, MATCH, INDEX, SUMPRODUCT, VLOOKUP (or XLOOKUP)