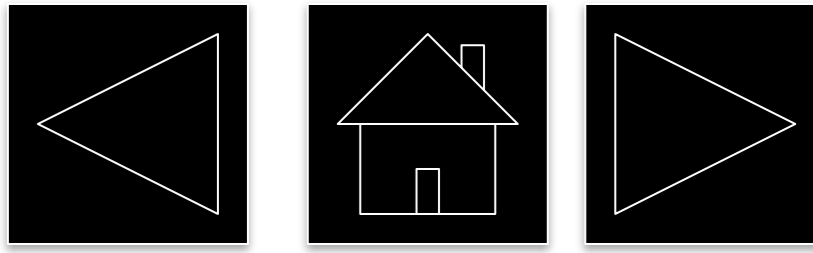
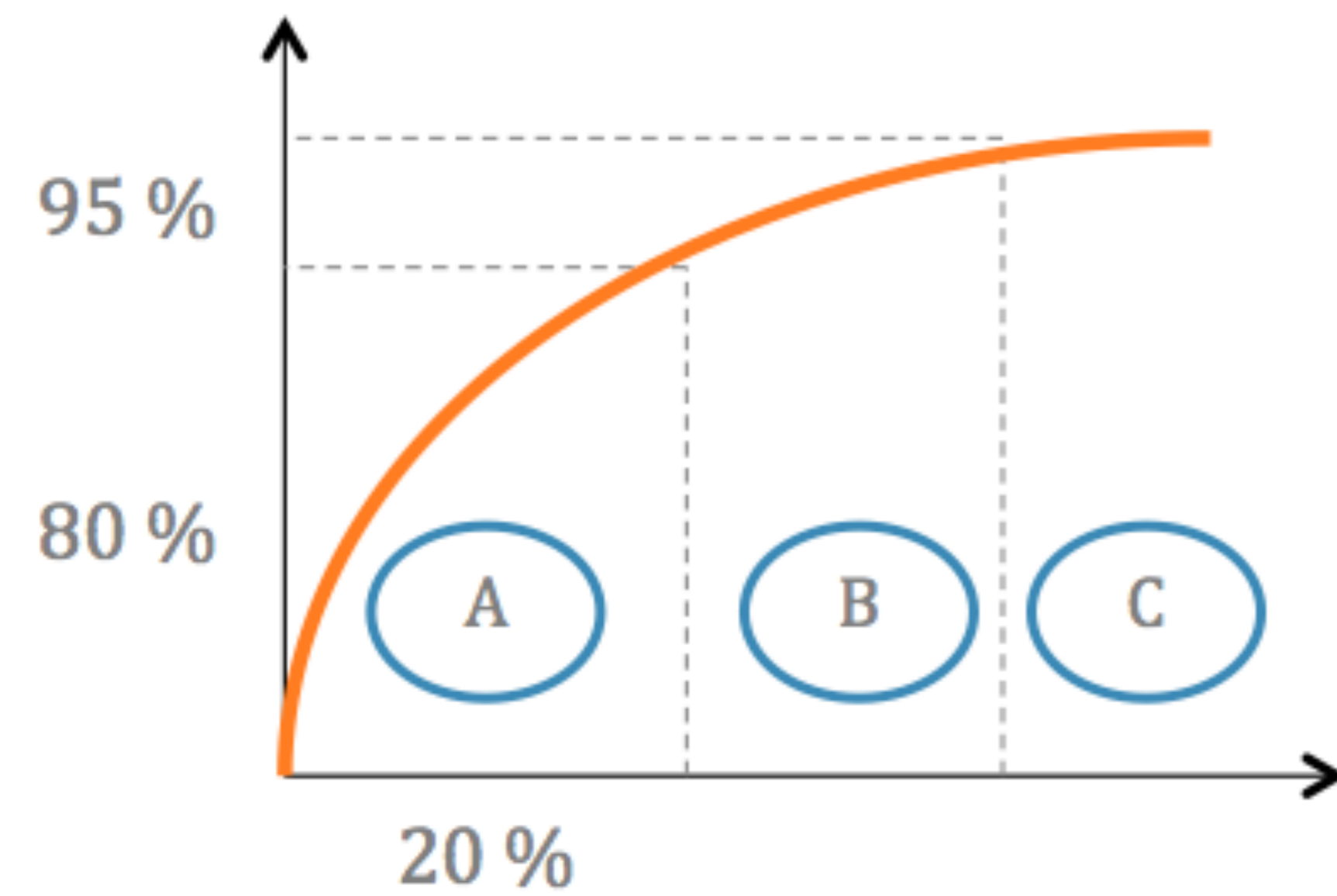


# Smarter SKU Stratification



## Motivation / Background

### 80/20 Rule

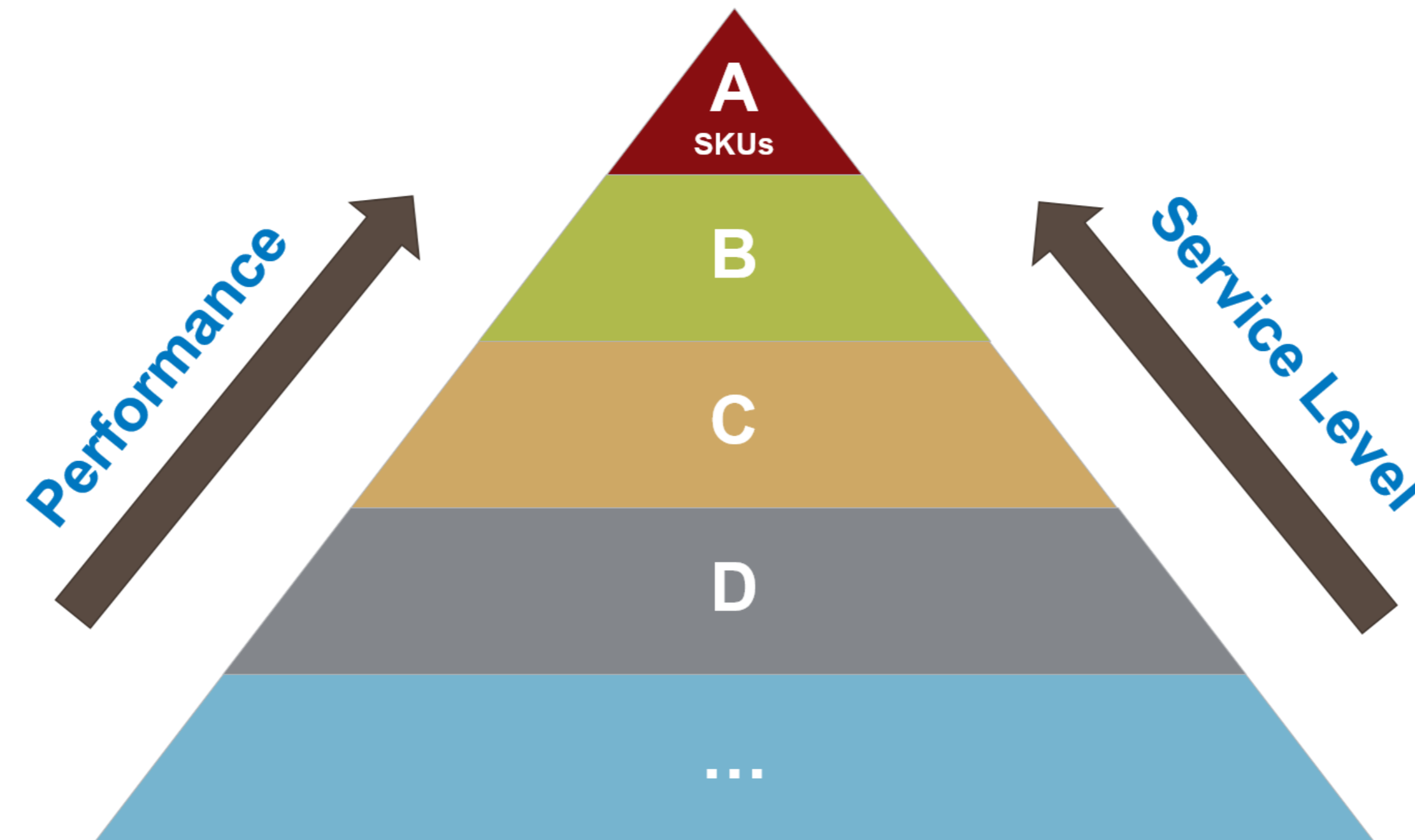


### Current SKU stratification:

- Simple single factor method
- Ignores important factors
  - ✓ Volatility
  - ✓ Profit margin

## Key Question / Hypothesis

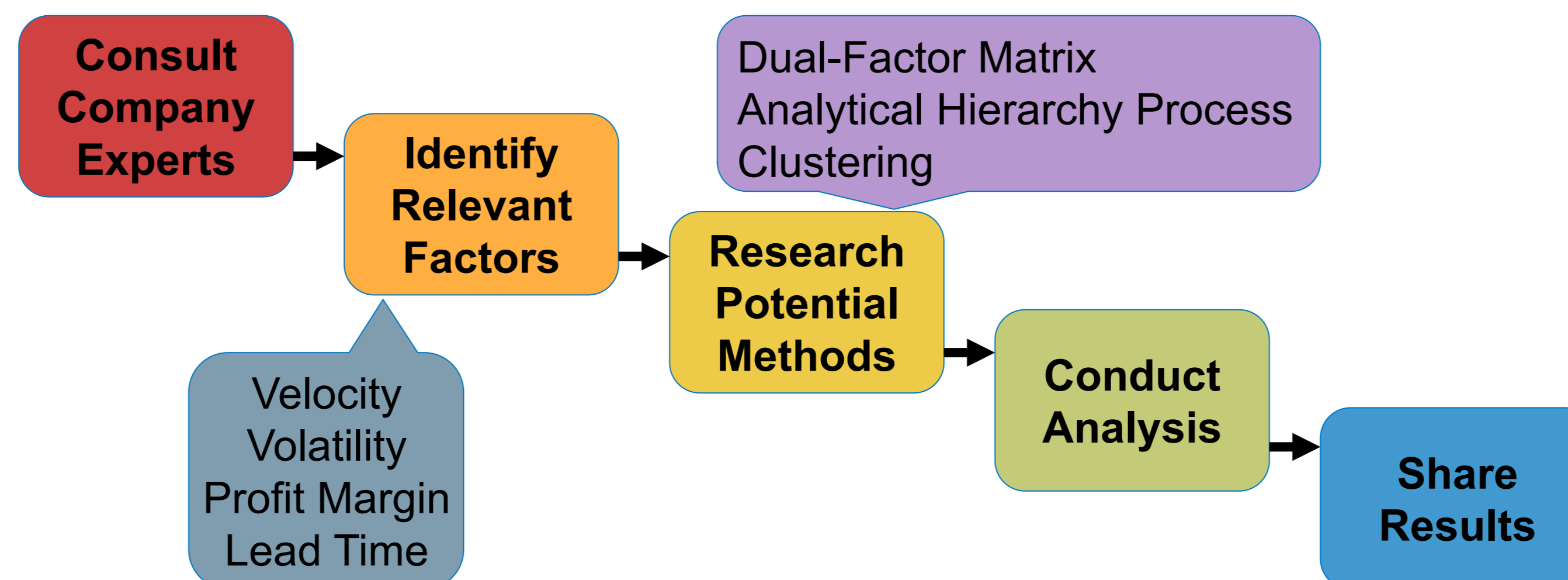
- ❖ Can a better method be developed using multiple factors?
- ❖ Research: simple single factor => complex neural network
- ❖ A method of medium complexity, allowing subjective input from company experts will provide the most value.



## The Problem

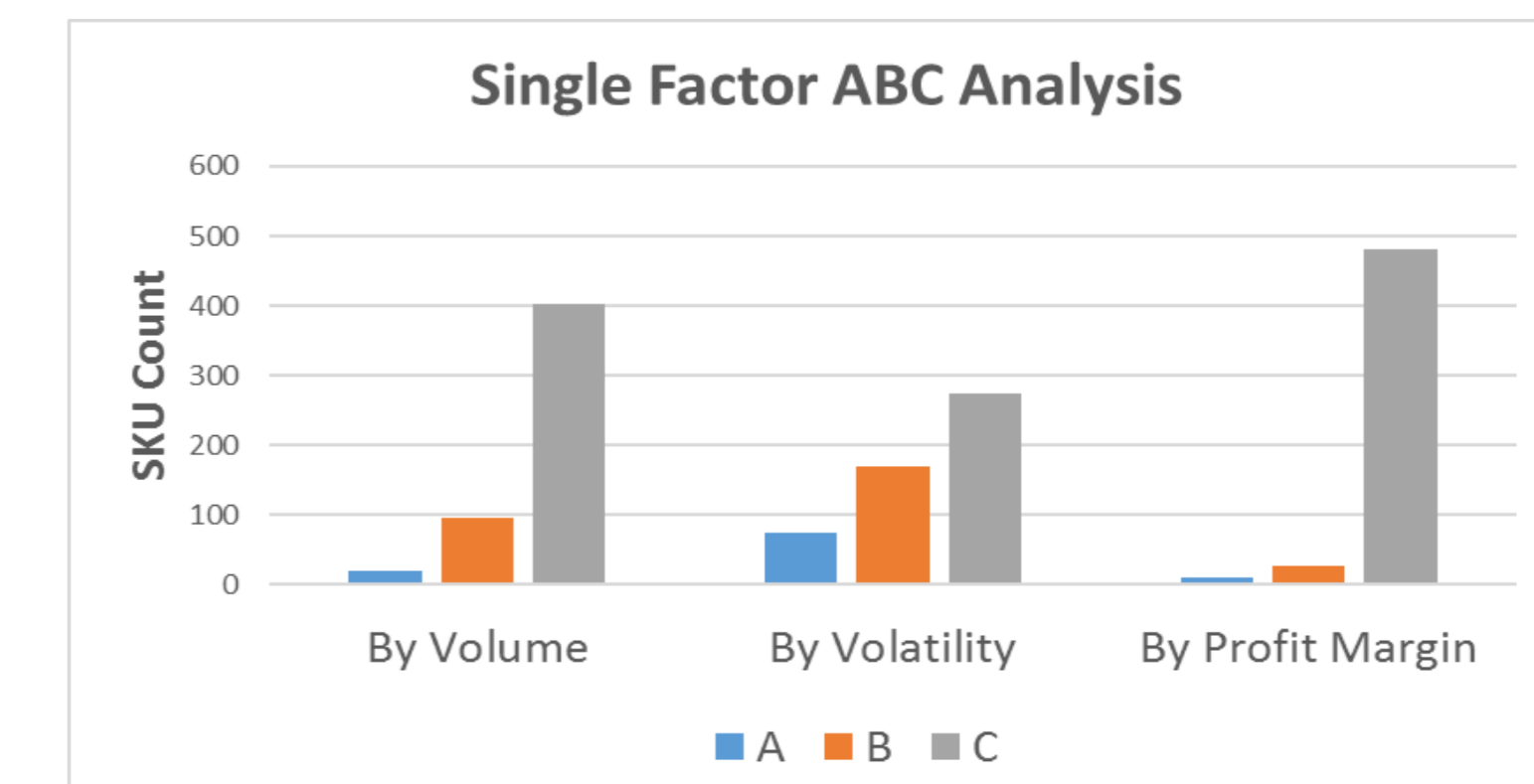
Identify an ABC analysis methodology that balances the effort required with the results gained. A method that is too simple leaves much opportunity; too complex and the effort required diminishes the results gained.

## Methodology



## Initial Results

- Single-Factor analysis on each of the factors separately results in very different classification. Thus, more comprehensive method is necessary.
- Dual-Factor Matrix analysis indicates that the number and boundaries of these classifications are critical components.



## Expected Contribution

Identify relevant criteria for inventory stratification

Develop methodologies to better understand and manage inventory in the CPG industry

Propose a model that will identify stratifications based on multiple criteria

Display how academic classification techniques can be applied to practical inventory management

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