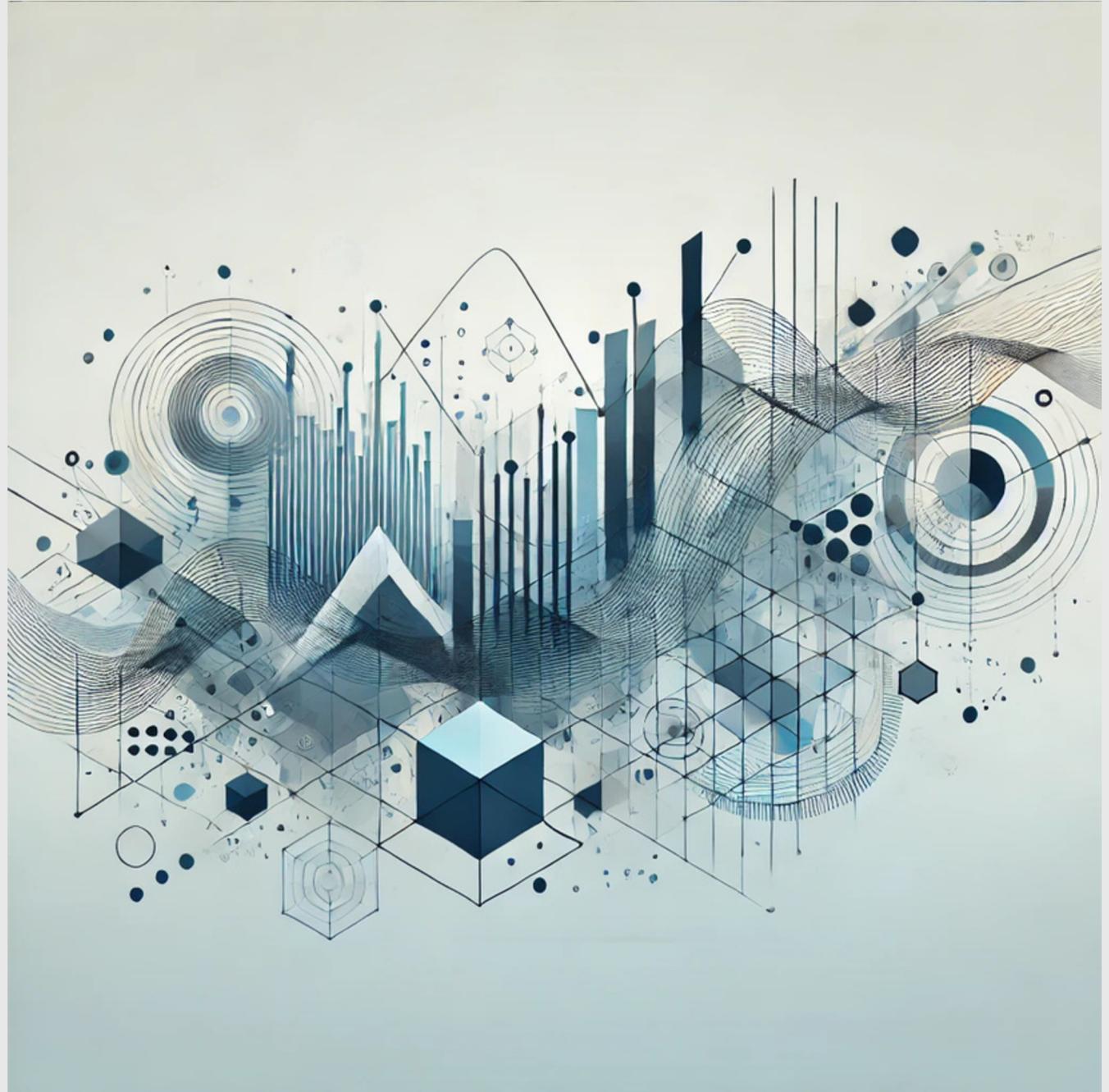

Resilient Companies

An analysis of 31,710 Indian firms

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About the Project

We analyze 31,710 Indian firms (2018-2022) to classify them as *Resilient*, *Non-Resilient*, or *New Breakaway* based on Growth Rate and Operating Margin relative to industry medians.

Goal: identify shifts in performance around 2020 to study their cause.

Methodology

1. Data

We start with a dataset containing key financial indicators (e.g. EBIT, Turnover, Net Income etc.) for 31,710 indian companies, encompassing years 2018 to 2022.

2. Pre-processing & Features Extraction

After cleaning the data, we compute for each company two metrics:

- Growth Rate
- Operating Margin

For all the years from 208 to 2022.

3. Resilient Analysis

We compute the industry median (robust to outliers) and cluster the companies based on how they perform compared to aggregate values.

Resilient Analysis

Resilient

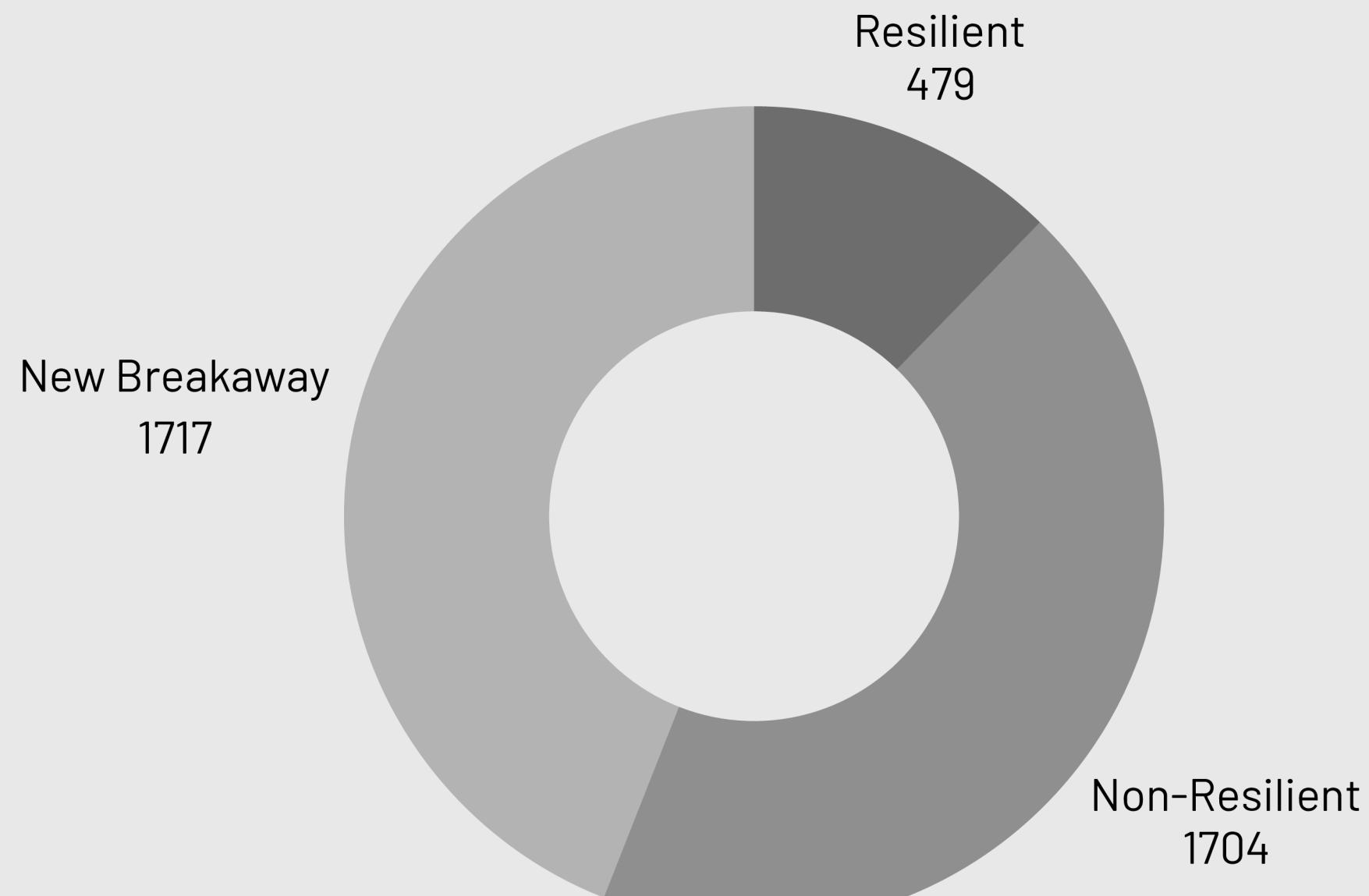
Above industry
median **both**
before and *after*
year 2020

Non Resilient

Above industry
median **before**
but **not after** year
2020

New Breakaways

Above industry
median **after** but
not before year
2020



Resilient

1. Torrent Investments
2. Dotex Merchandise
3. Adani Harbour Services

New Breakaway

1. Poppy Realtors
2. Idec Financial Holding
3. Nathan Properties

Non Resilient

1. Newone Constructions
2. Bengal Shriram Hitech City
3. Sterling Gated Community

* the selected companies are the top by operating margin in each category (mean across all considered years)

Thank you!
