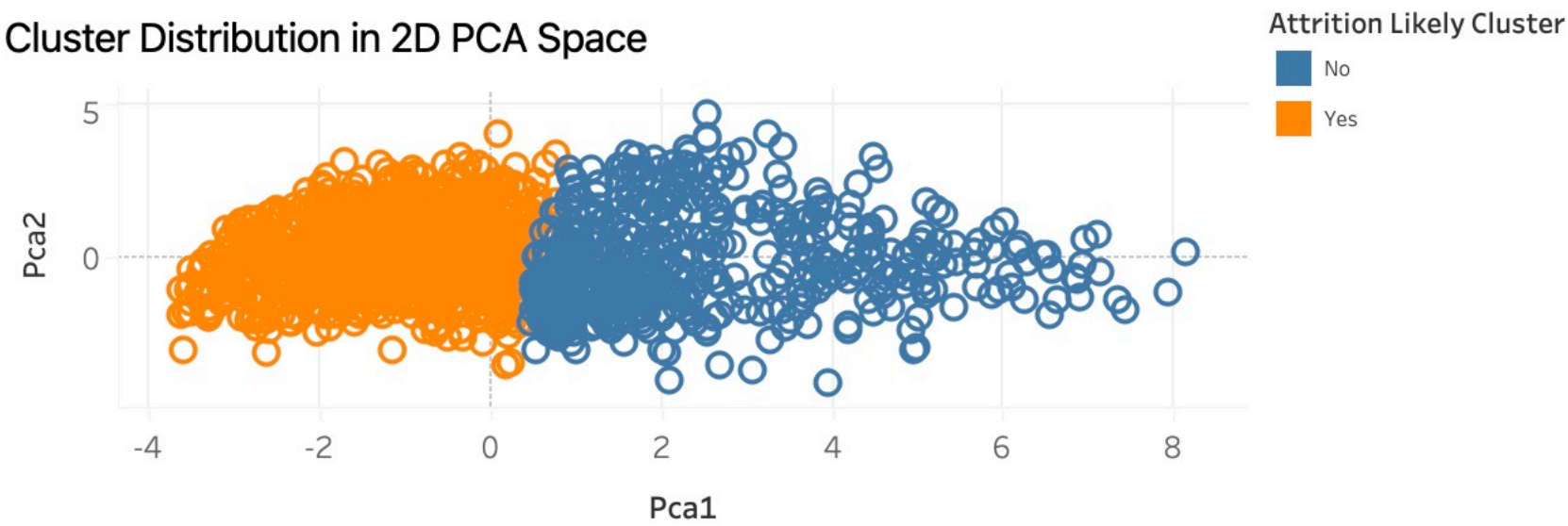


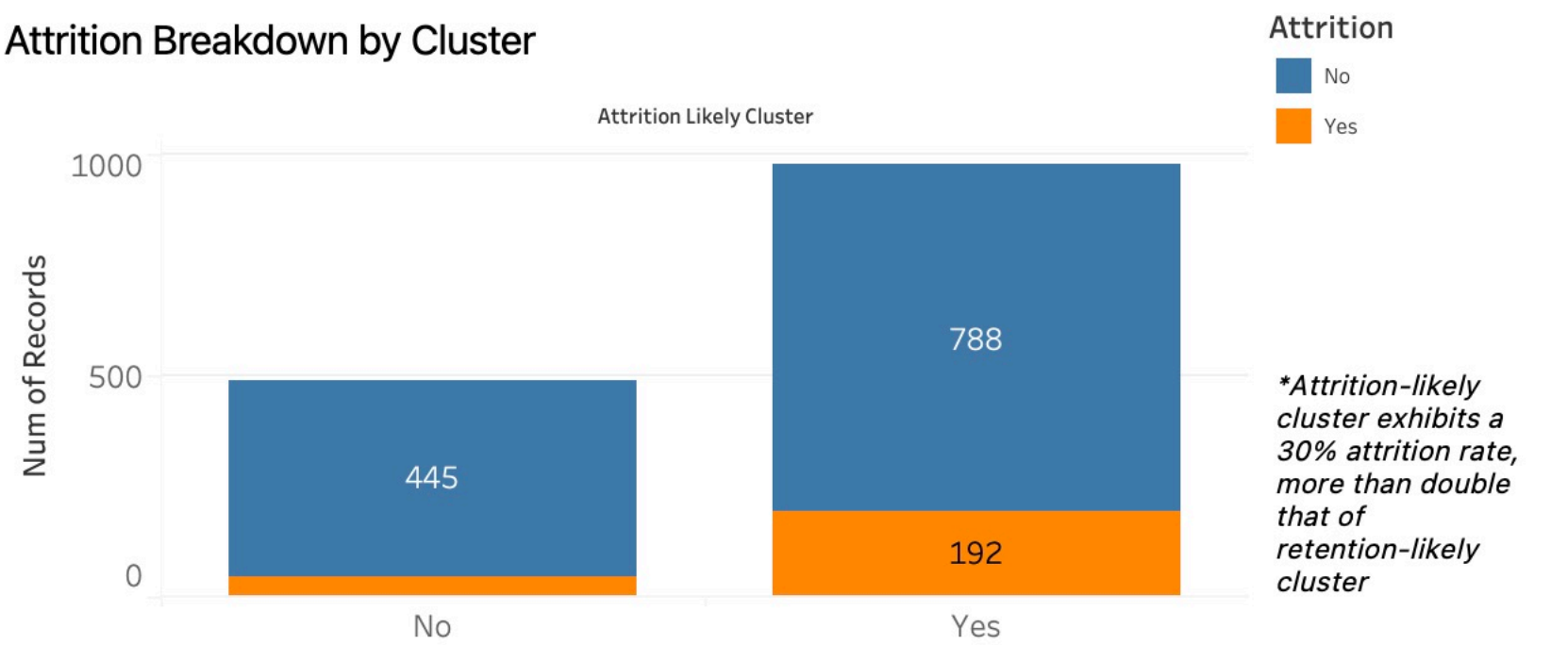
Behavioral Clusters Overview

A PCA-based and cluster-driven analysis of employee attrition patterns.

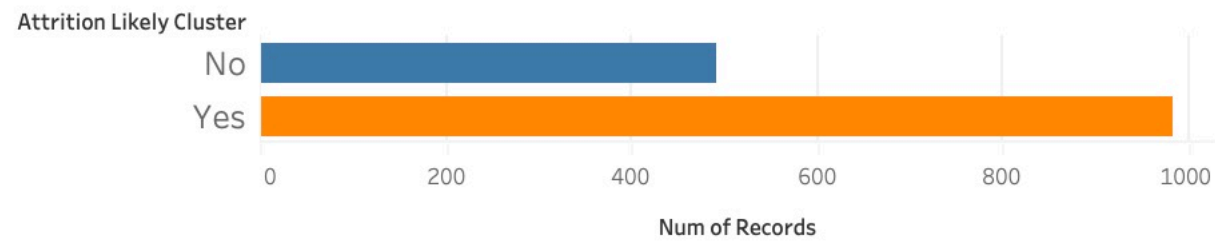
Cluster Distribution in 2D PCA Space



Attrition Breakdown by Cluster



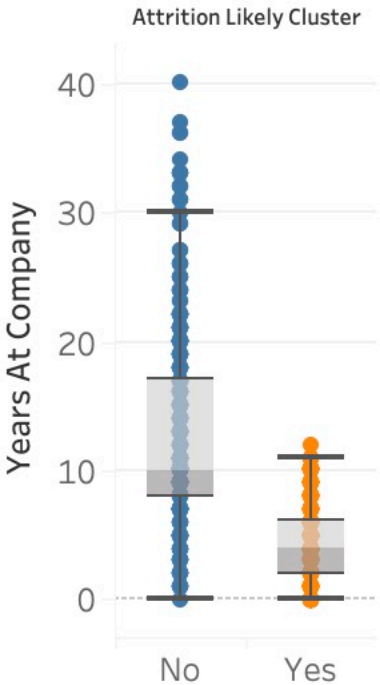
Employee Count per Cluster



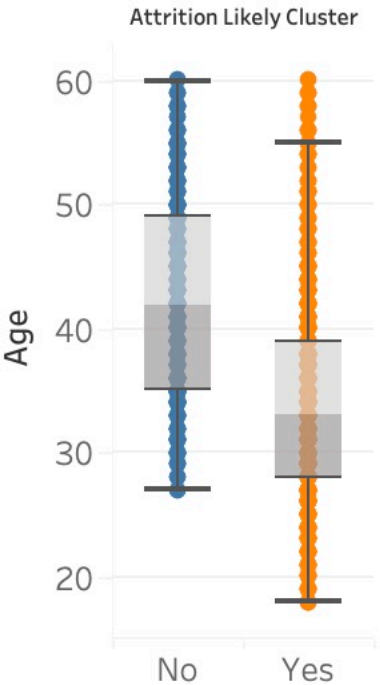
Numeric Traits by Cluster

Visual breakdown of numeric traits (like tenure, satisfaction, and compensation) across attrition-likely and retention-likely clusters

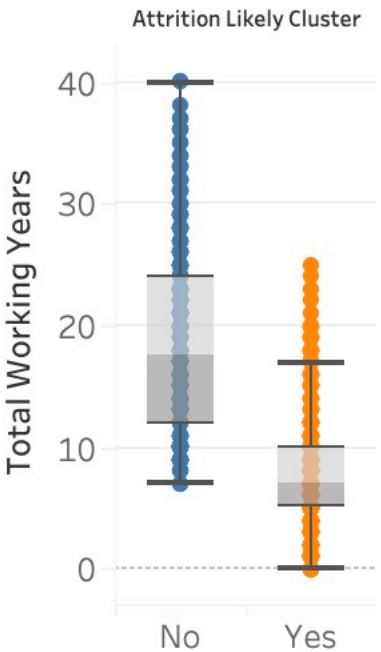
Tenure by Cluster



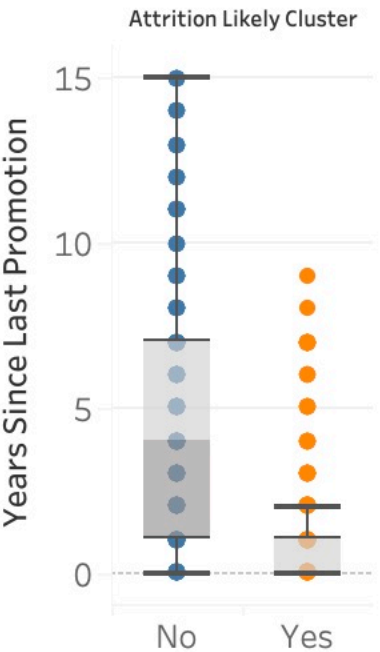
Age by Cluster



Total Working Years by Cluster

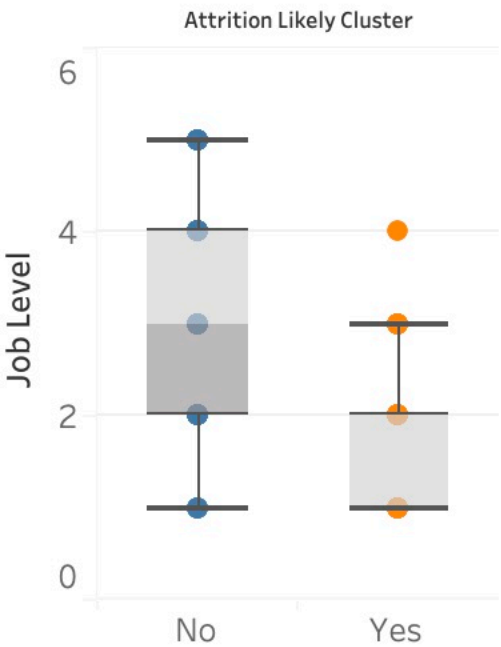


Years Since Last Promotion by Cluster

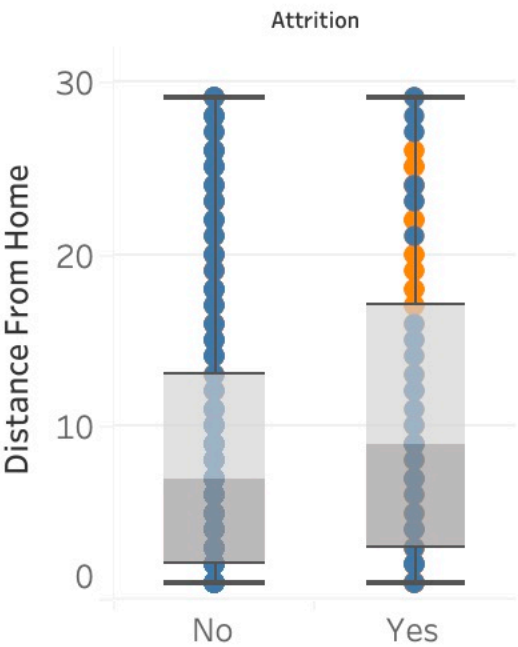


**Attrition-likely employees tend to be younger, earlier in their careers, and have shorter tenure at the company*

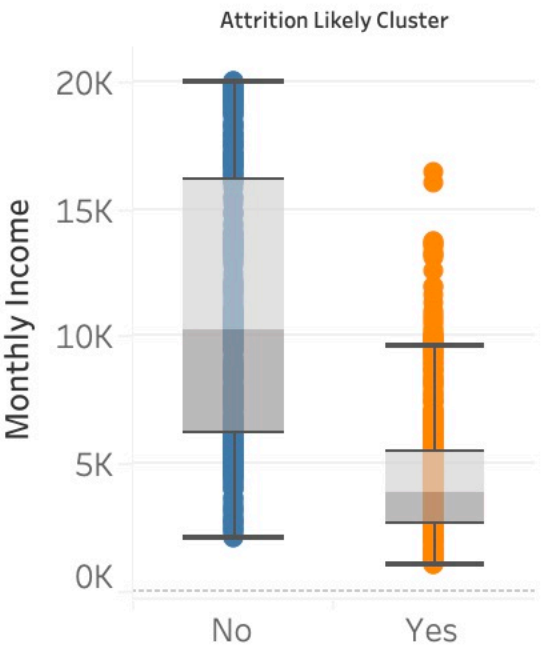
Job Level(1-5 scale) by Cluster



Distance From Home by Cluster



Monthly Income by Cluster

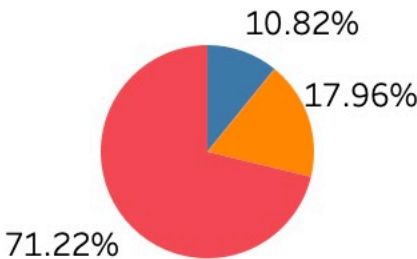


**Attrition-likely employees tend to have lower job levels, earn less, and live slightly farther from work*

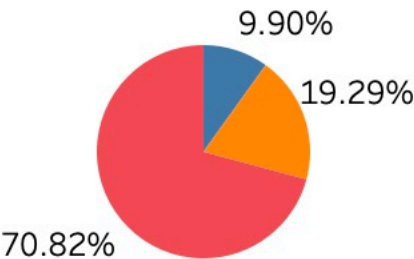
Categorical Traits by Cluster

A visual comparison of cluster composition across key categorical features like travel status, job role, and marital status

Retention-Likely Business Travel Status



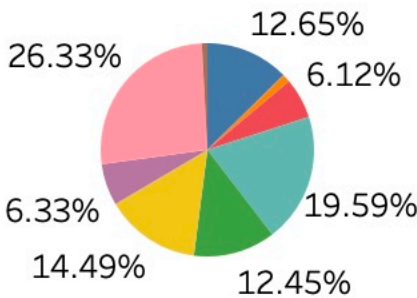
Attrtition-Likely Business Travel Status



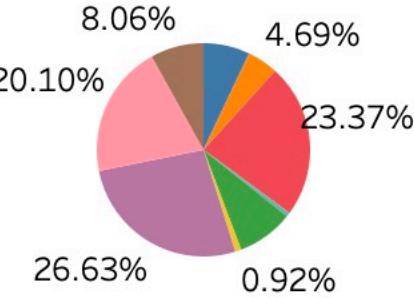
Business Travel



Retention-Likely Job Role



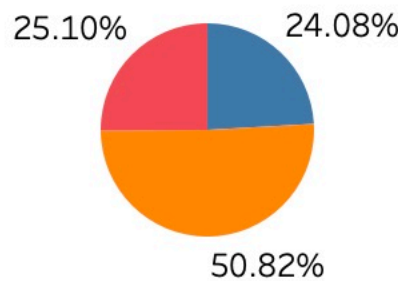
Attrition-Likely Job Role



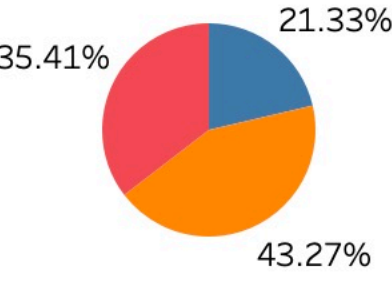
Job Role



Retention-Likely Marital Status



Attrition-Likely Marital Status



Marital Status



**Attrition-likely employees are more likely to be single, in customer-facing roles like Sales Executive, and frequently travel for work — all of which may contribute to lower stability or job satisfaction*