**1. Employee Attrition Analysis**

**Scope**: Understand the factors that contribute to employee turnover.

* **Questions**:
  + What are the key drivers of employee attrition (e.g., age, gender, distance from home, salary, overtime)?
  + Does business travel frequency affect attrition rates?
  + How does the number of years with the current manager relate to attrition?
  + Which departments or job roles have the highest attrition rates?

**2. Diversity and Inclusion**

**Scope**: Analyze the workforce diversity based on gender, ethnicity, and other factors.

* **Questions**:
  + What is the gender and ethnic breakdown of employees across departments and job roles?
  + Are certain demographic groups (e.g., gender, ethnicity) more likely to be promoted or experience attrition?
  + Is there a salary gap based on gender, ethnicity, or education?

**3. Promotion and Career Progression**

**Scope**: Study promotion trends and career growth within the organization.

* **Questions**:
  + How many employees have been promoted, and what factors contribute to promotions (e.g., education, years since last promotion, years in current role)?
  + Are employees in certain departments more likely to be promoted?
  + What is the average time between promotions, and does it vary by department or job role?
  + Are certain employee groups (gender, ethnicity) more likely to experience faster career progression?

**4. Work-Life Balance**

**Scope**: Assess the impact of work-life balance factors (e.g., overtime, business travel, distance from home) on employee satisfaction and retention.

* **Questions**:
  + Does the number of overtime hours correlate with attrition?
  + Is there a relationship between business travel and employee turnover?
  + Do employees who live farther from the workplace have higher attrition rates or lower job satisfaction?

**5. Compensation and Benefits Analysis**

**Scope**: Examine salary structure, stock options, and their impact on employee satisfaction and retention.

* **Questions**:
  + How does salary vary by department, job role, education level, and years at the company?
  + Is there a relationship between salary, stock options, and attrition?
  + Are employees with higher stock option levels less likely to leave the company?

**6. Tenure and Job Stability**

**Scope**: Analyze employee tenure and stability within the company.

* **Questions**:
  + What is the average tenure of employees, and how does it vary by department or job role?
  + How does the number of years at the company relate to attrition or promotions?
  + Is there a significant difference in tenure between different education fields or job roles?

**7. Education and Job Fit**

**Scope**: Evaluate the impact of education on job roles, performance, and retention.

* **Questions**:
  + How does education level correlate with salary, job role, or department?
  + Are employees with specific educational backgrounds (e.g., engineering, business) more likely to be promoted or stay longer at the company?
  + Does the field of education affect job performance or career progression?

**8. Managerial Influence**

**Scope**: Explore the role of managers in employee retention and satisfaction.

* **Questions**:
  + How does the number of years with the current manager impact employee attrition or promotion?
  + Do employees with longer relationships with their managers have higher job satisfaction or better career progression?
  + Is there a correlation between managerial tenure and department attrition rates?

**9. Departmental Performance**

**Scope**: Understand the dynamics and performance of different departments.

* **Questions**:
  + Which departments have the highest and lowest attrition rates?
  + What is the average salary and tenure in each department?
  + Are certain departments more prone to promotions or turnover?

**10. Geographical Impact**

**Scope**: Analyze the effect of geographical location (state, distance from home) on job satisfaction, attrition, and performance.

* **Questions**:
  + Does distance from home affect employee attrition or job satisfaction?
  + Are employees in certain states or regions more likely to stay with the company longer?
  + How do salary and job satisfaction vary by geographical location?

**11. Correlation Between Factors**

**Scope**: Investigate relationships between multiple factors to identify patterns.

* **Questions**:
  + What are the correlations between salary, overtime, years at the company, and attrition?
  + Does education level correlate with the number of years since the last promotion?
  + How do marital status and age affect attrition rates or promotion likelihood?

**12. Predictive Modeling for Attrition**

**Scope**: Develop models to predict which employees are likely to leave the company.

* **Questions**:
  + Can you build a model to predict employee attrition based on demographic, work-life, and job-related factors?
  + Which variables (salary, years in the most recent role, business travel, etc.) are the strongest predictors of attrition?

By focusing on these areas, you can derive actionable insights that could help in decision-making, improving retention strategies, and fostering a more inclusive and rewarding workplace.