LinkedIn Sweden Job Market Analysis Report

# 1. Data Preparation

The dataset was obtained by scraping job postings from LinkedIn in Sweden, including job title, company, location, number of applications, posting time, and job URL.  
  
Data cleaning includes: removing duplicate jobs, standardizing locations, normalizing applications and posting times, and creating new variables, such as ‘job\_id’. 把skills提取出来

# 2. Job Distribution Analysis

Jobs are mainly concentrated in Stockholm, followed by Gothenburg and Malmö, reflecting Sweden’s IT, finance, and multinational company clusters.  
A graph of blue rectangular bars

AI-generated content may be incorrect.

Some multinational and local giants dominate in hiring volume.

A graph with green and black bars

AI-generated content may be incorrect.  
  
Full-time roles dominate, followed by hybrid and remote jobs, showing Sweden’s flexible work trend.

A pie chart with different colored circles

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# 3. Applications Distribution

The distribution is highly skewed: most jobs receive relatively few applications, but a small number of “hot jobs” attract disproportionately high applications.  
A graph of a number of applications per job

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The histogram indicates a typical long-tail distribution.

A graph of a number of times

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# 4. Posting Time & Competitiveness

A new indicator Competitiveness is introduced: Competitiveness = Applications / (Days Posted + 1).  
Higher values indicate faster applicant accumulation, hence more intense competition.  
  
The median competitiveness is around 1.2, meaning a typical job receives ~1–2 applications daily.  
  
Top competitive jobs are mostly IT/Data roles; bottom jobs are often niche or less attractive, with low applications despite long posting times.  
  
The histogram shows most jobs fall into low-to-medium competitiveness, with only a few extremely competitive “hot jobs,” reflecting a Matthew effect.

A graph with a number of blue and green bars

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# 5. Skills Demand Analysis

* **Common Skills**  
  After extraction, the most frequently mentioned skills include Operations Management, Analytical Skills, English, Swedish, Food and Beverage, and open source software.
* **Skill Distribution**

The distribution shows two trends:

* 1. General skills (e.g., English, teamwork, leadership) appear frequently.
  2. Specialized skills (e.g., IT, data analysis, software development, hospitality) reflect Sweden’s industry profile.

A graph of a bar graph

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A close up of words

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# 6. Conclusion & Implications

For job seekers: In hot industries (IT, data, consulting), jobs are highly competitive; early application may increase chances.  
  
For employers: Jobs with excessive applications raise screening costs, while low-attraction jobs may need better descriptions or promotion.  
  
Market insights: The Swedish job market exhibits a dual structure: concentrated hot jobs vs. steady ordinary jobs.