

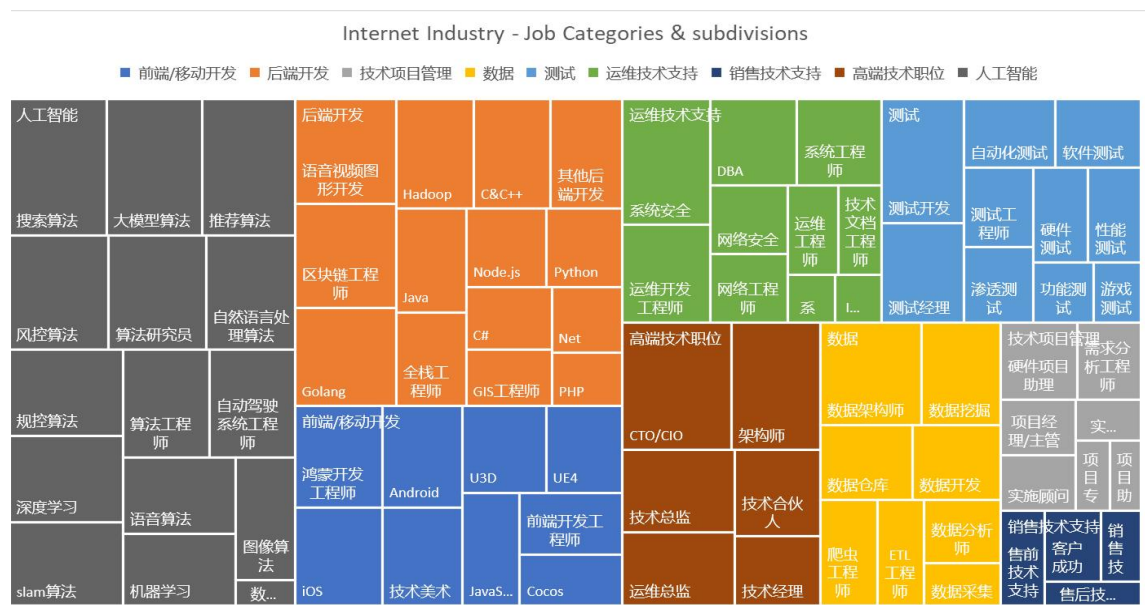
# Recruitment market visualization report

Registered users can download [visual analysis report of market recruitment situation](#) to reduce job seeking information gap so as to help data-driven decision-making, which also requires a fee.

Visual chart analysis and consulting reports may be offered. For example, hiring trends in the industry, which jobs are growing and which are shrinking. By comparing the salary distribution and job requirements of the same position in the industry, combined with the user's own situation, it can screen out the job set with the greatest likelihood of success.

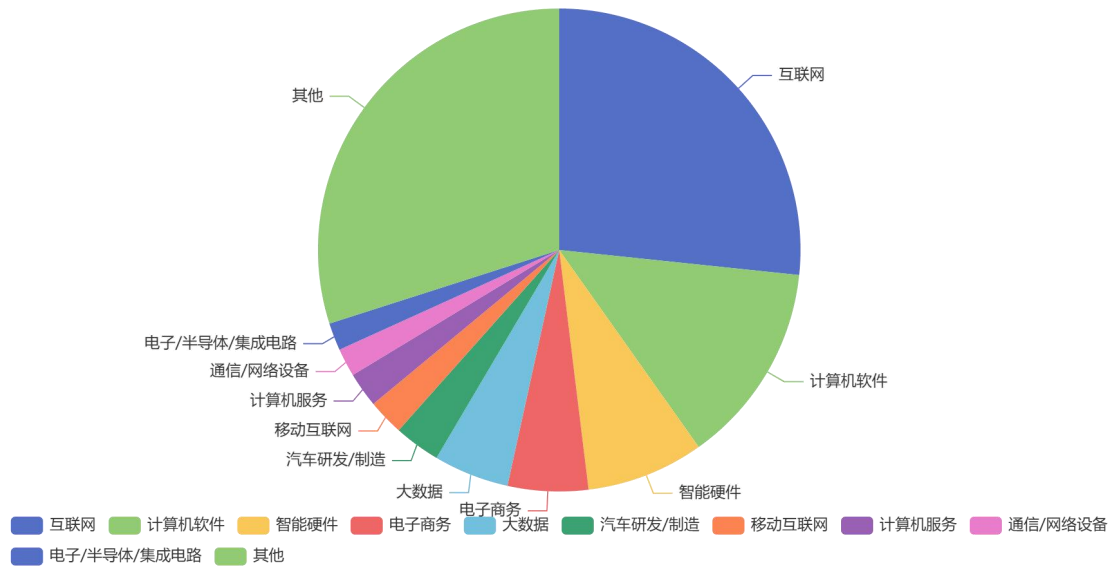
In this report, we mainly focus on the visual analysis of the Internet industry, and we also select two popular positions in the Internet industry, artificial intelligence and back-end development, to give a sample display of our visual analysis report.

The distribution chart below shows all the job categories in the Internet industry, which are divided into 9 major categories.



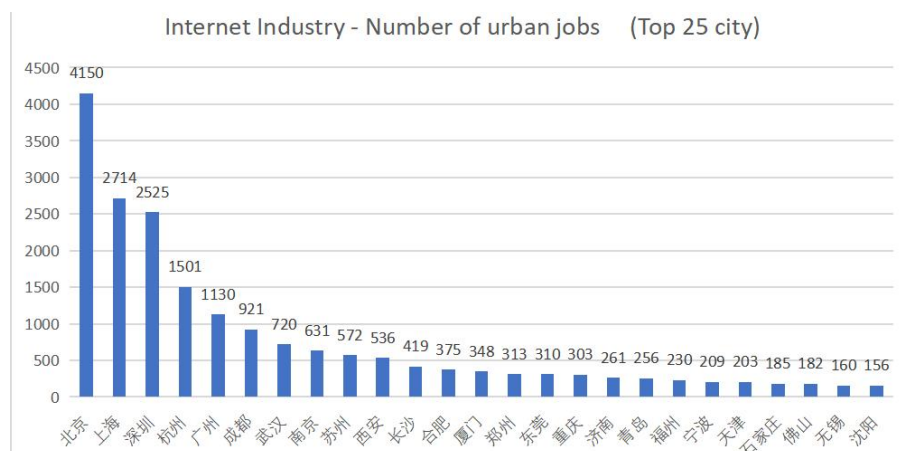
In addition, the pie chart below shows the distribution of the number of job openings in the AI industry, with the highest employment demand in the Internet, computer software and smart hardware sectors.

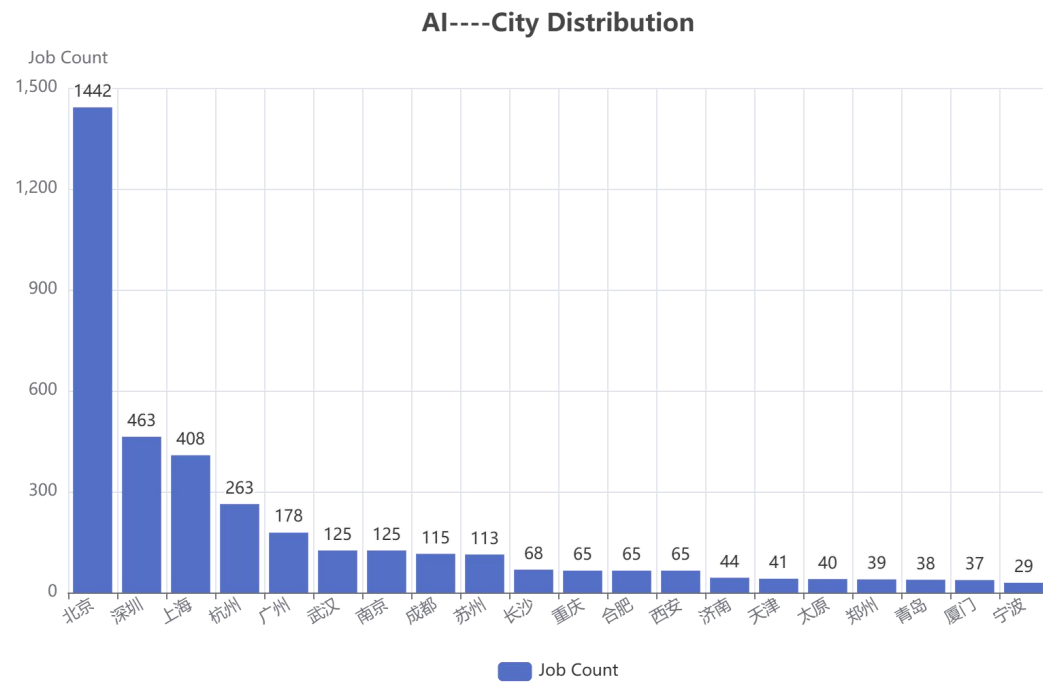
AI----Industry Distribution



## 2.1 Job quantity distribution module

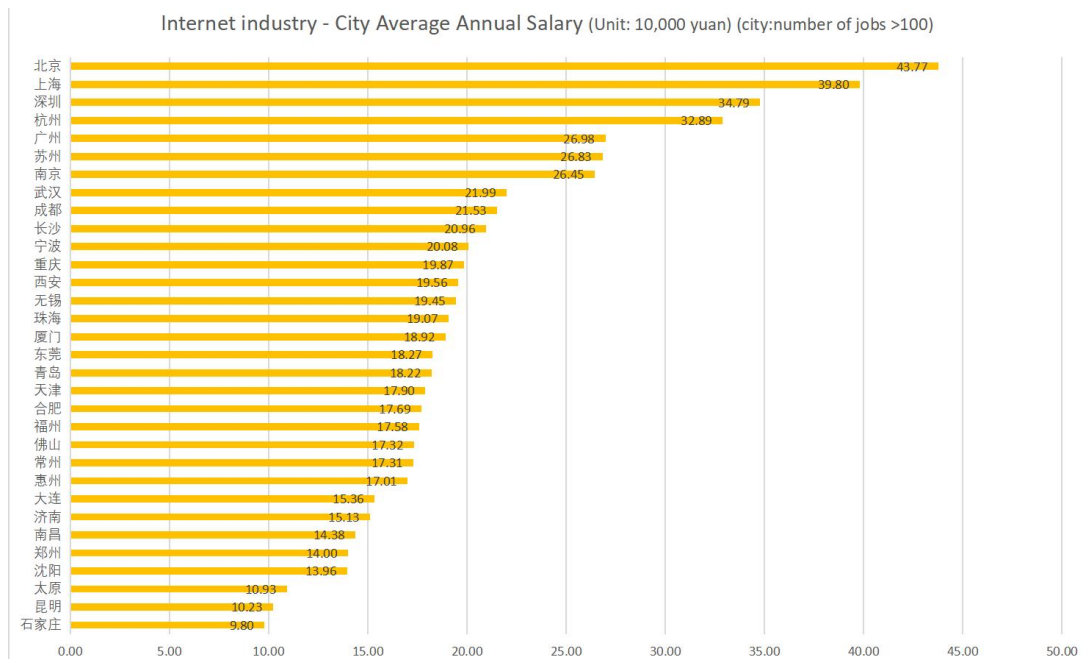
From the bar chart of the quantity of jobs by city, we are able to obtain a clear image of the distribution of the number of jobs by city throughout the nation. On the Chinese mainland, the cities with the most job openings are Shenzhen, Shanghai, and Beijing. The purpose of this module's visual aid is to assist users in quickly recognizing hiring hotspots and the relative hiring activity of various cities. It gives job seekers information about each city's hiring situation, enabling them to choose a specific city to focus their search on.





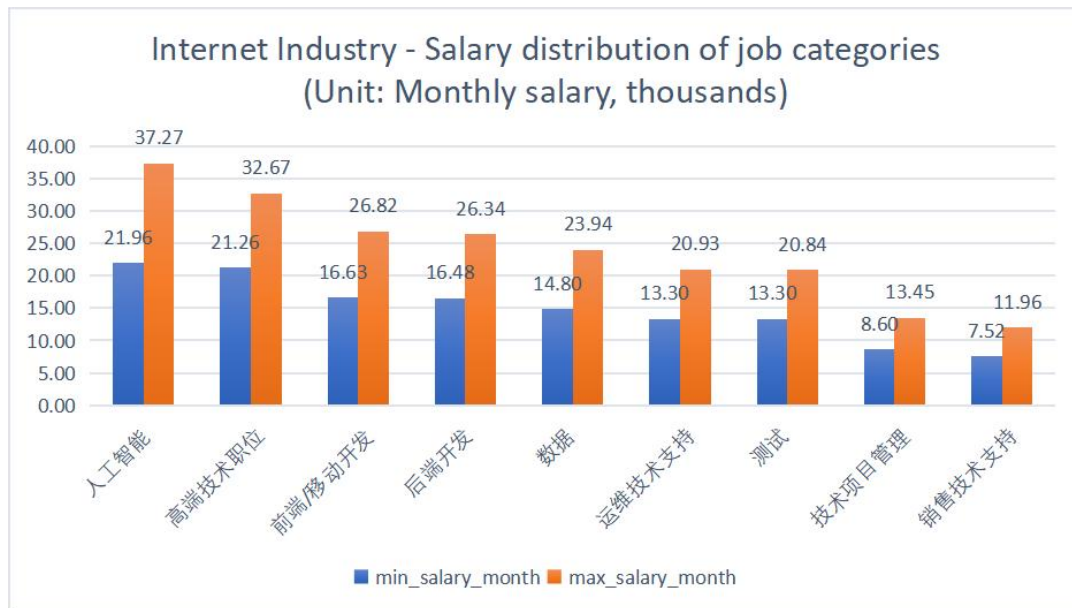
## 2.2 Average payroll distribution module

The module is made to show users, via the use of bar charts and line graphs, how average salary packages are distributed throughout the nation's cities. This gives prospective employees a reliable benchmark for pay ranges and empowers them to choose their job search location with greater knowledge.



This graph above shows the average annual salary of Internet industry employees by city in China in 2023. The city with the highest average annual salary is Beijing, at 437,700 yuan. The city with the lowest average annual salary is Ordos at 98,000 yuan.

According to the bar chart below, the highest monthly salary for different positions in the Internet industry is "Artificial Intelligence", with a maximum of around \$37,270. The lowest monthly salary is for "Algorithm Engineer" at around \$7,520. The largest difference between the lowest and highest monthly salary is in the field of "Artificial Intelligence" (\$15,310). The minimum monthly salary for most jobs ranged from \$10,000 to \$20,000, while the maximum monthly salary ranged from \$20,000 to \$35,000.

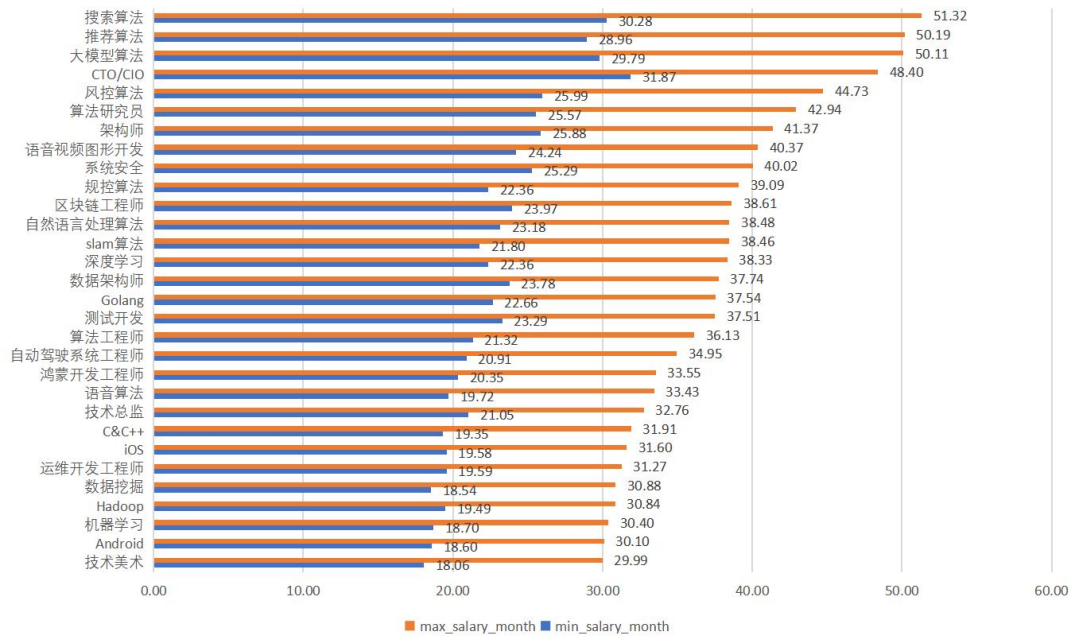


The four charts below show the average salary data for jobs in the Internet industry, along with that of the artificial intelligence and back-end development occupational segments. Based on the visual analysis, the highest paying jobs are Head of Speech Synthesis, Voice and Video Graphics Developer, and Search Engine Optimization, with monthly salaries of 21,700, 40,370, and 51,320 yuan, respectively.

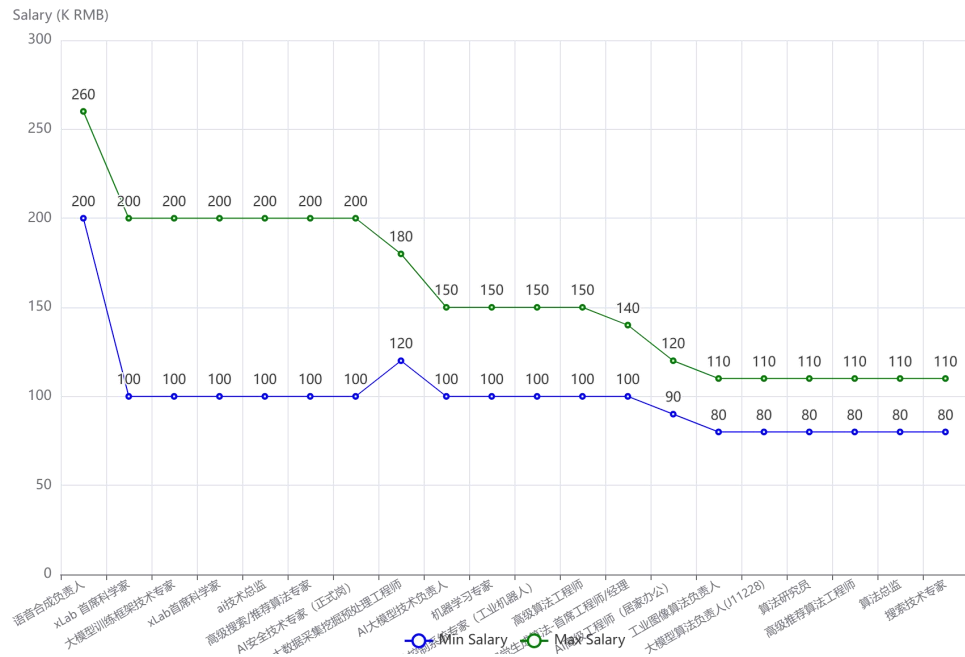
The lowest paying positions are "Search Technologist," "PHP," and "Technical Art," with monthly pay of 6,700, 8,600, and 18,000 yuan, respectively.

The biggest difference between the lowest and highest salaries is found in jobs like "Search Engine Optimization," "Recommendation Algorithms," and "User Experience Design," which suggests higher potential pay but also higher risk. The comparatively narrow salary ranges of jobs like "PHP" and "Net" indicate more stable employment but lower pay.

Internet Industry - Average salary distribution of subdivided positions  
(Unit: Monthly salary, thousands) (Top 30)



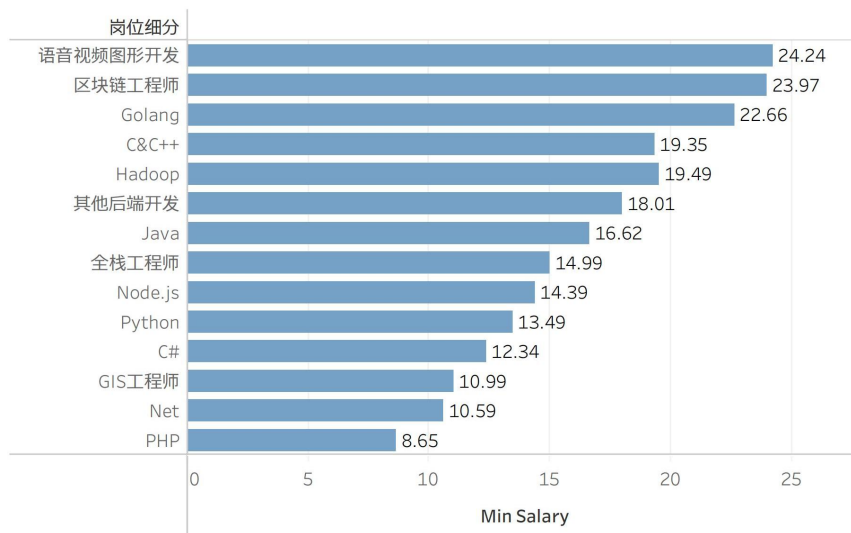
AI----Min vs Max Salary by Job



## Backend Developer - Job Breakdown Salary Distribution

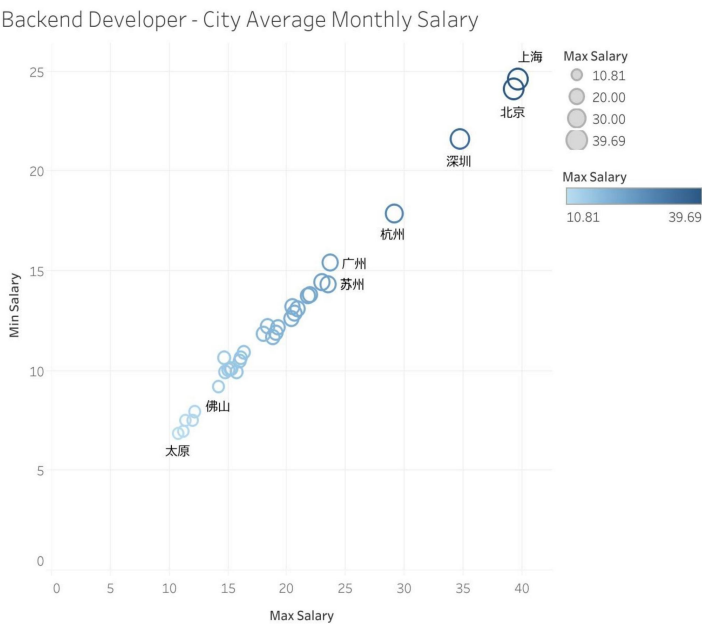
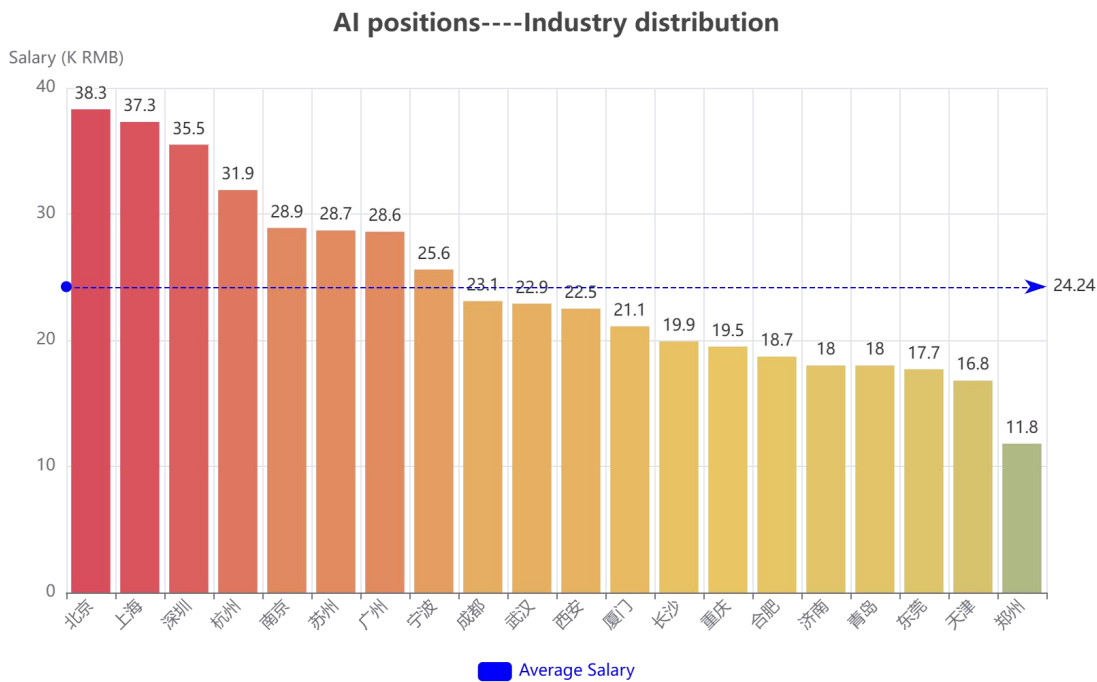


## Backend Developer - Job Breakdown Salary Distribution



Based on the line graph and scatter plot of the city average monthly salary data for the two job types of Artificial Intelligence and Backend Development in various cities in China, it can be found that: The salary for an Artificial Intelligence position is the highest in Beijing (38,300 yuan) and the lowest in Zhengzhou (11,800 yuan) each

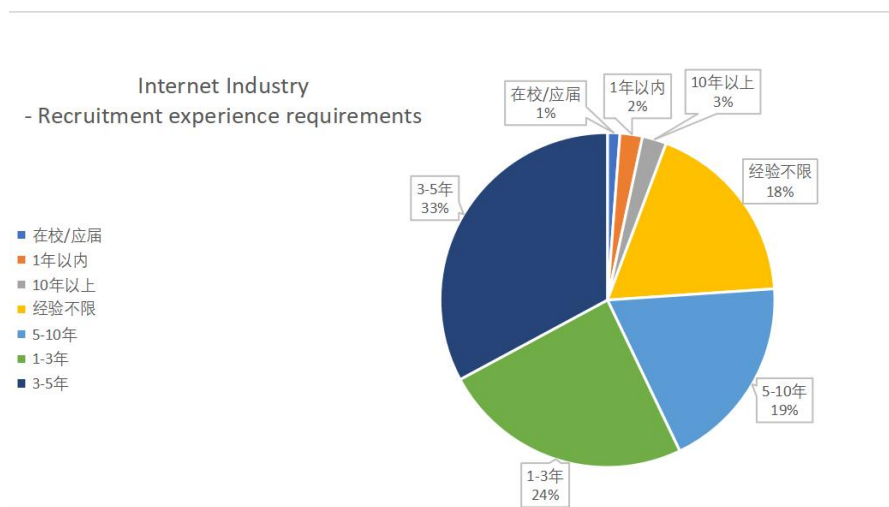
month. Shanghai is the city where back-end algorithm jobs pay the most, with a high salary of about 39,690 yuan. Taiyuan has the lowest minimum salary, at about 7,000 yuan. The highest and lowest salaries in various cities generally show a positive correlation, indicating that higher highest wage cities also typically have higher minimum wages.





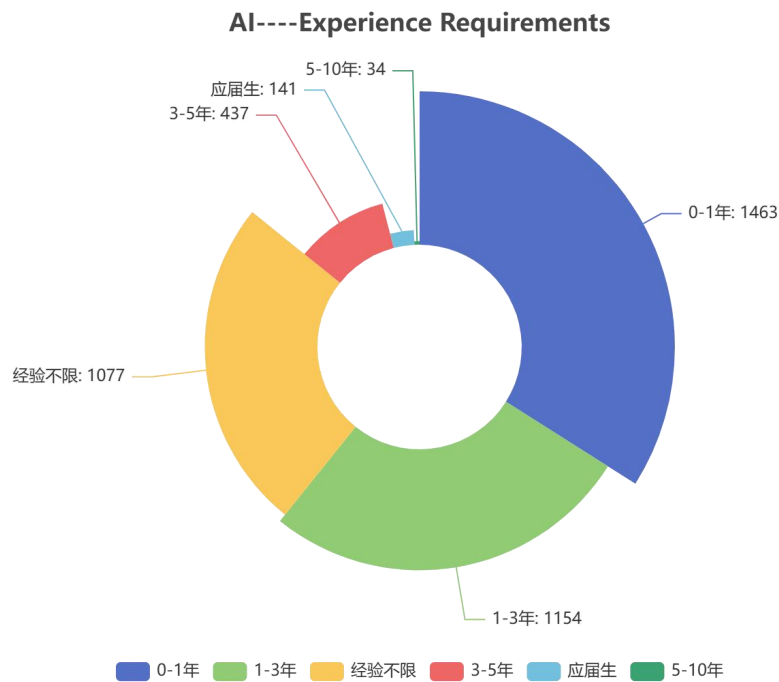
## 2.3 Recruitment Experience Requirements Module

Visual analysis of recruitment experience requirements can help guide job seekers in their decision making. Through the report, clients can understand the level of experience requirements prevalent in the industry and assess whether they meet the experience needs of a specific position. This section gives job seekers a clearer understanding of industry standards so that they can make more targeted career development plans.



The following analyses can be performed based on the Internet industry's experience requirements, as indicated by the chart: With 24 percent of the total requirements, work experience ranging from one to three years is the most common. This suggests that candidates with a particular level of experience are preferred by the Internet industry. Experience levels of three to five years and five to ten years are also more common, making up 33% and 19% of the total, respectively. This indicates that businesses are seeking individuals with greater experience as well. Up to 19% of the positions had requirements for recent graduates and unlimited experience, suggesting that some work experience requirements are somewhat lax and that there is a need for fresh talent in the Internet sector.

The two charts below show the experience requirements for positions in artificial intelligence jobs and back-end development jobs.



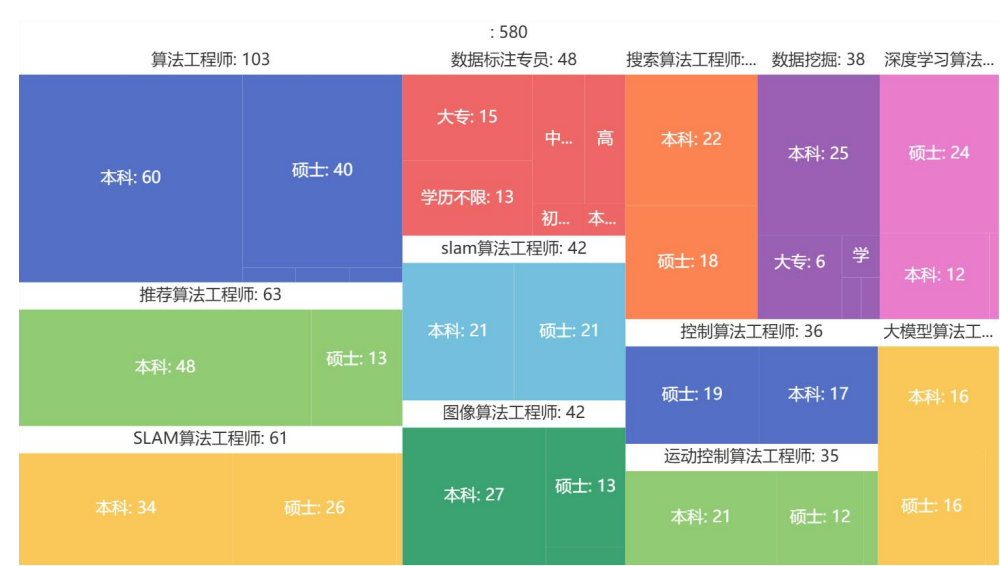
Backend Developer - Job Segmentation Average Work Experience Requirements



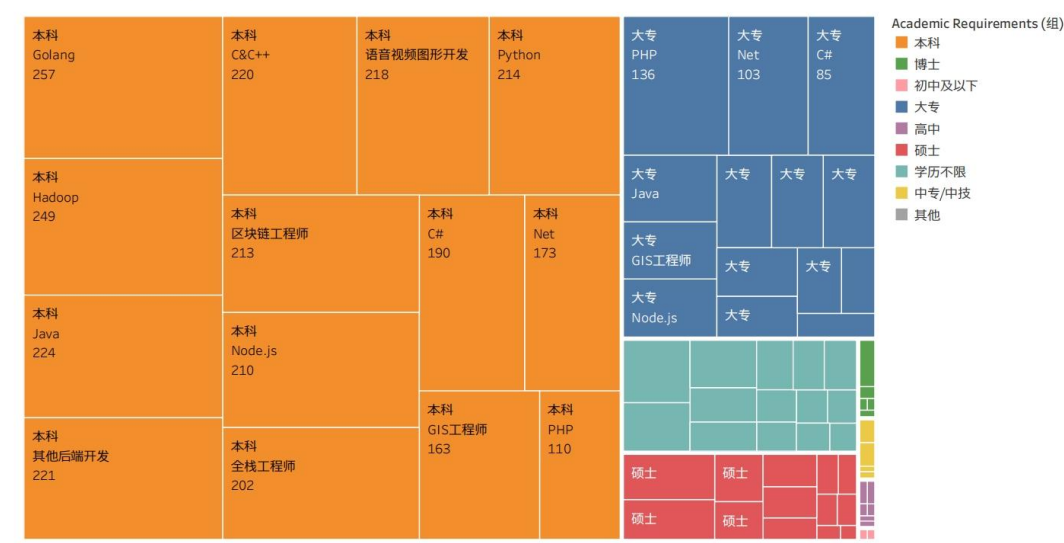
The academic background requirements for job seekers vary for each position. By analysing the two charts below, it can be seen that most of the positions shown require a Bachelor's degree as a minimum academic requirement. A large number of positions also require a Master's degree. Very few positions, especially those in the Golang and Python fields, require candidates to have a PhD.

If the user has a low level of education, by visualising the data he can intuitively know that jobs such as data mining, data annotator and php accept candidates with tertiary qualifications.

AI----Academic Requirements by Job



Backend Developer - Job Breakdown Educational Requirements Distribution



- Overall, through clear charts and graphs, our industry visual analytics give users a deeper understanding of the hiring market dynamics and offer strong decision support for job seekers. In addition to increasing the effectiveness of hiring, this thorough data visualisation gives all stakeholders in the employment market access to more insightful information that will foster improved coordination and communication between employers and job seekers.

