SQL challenge

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Employees
Emp_No	🔑 int
First_Name	string
Last_Name	string
Birth_Date	date
gender	string
hire_date	date

Salaries
Emp_No	int
Salary	int
From_Date	Date
To_Date	Date

Dept_Emp
Emp_No	int
Dept_No	int
From_Date	Date
To_Date	Date

Titles
Emp_No	int
Title_Cat_Id	int
From_Date	Date
To_Date	Date

Departments
Dept_No	🔑 int
Dept_Name	string

Titles_Categories
Title_Cat_Id	🔑 int
title	string

Dept_Manager
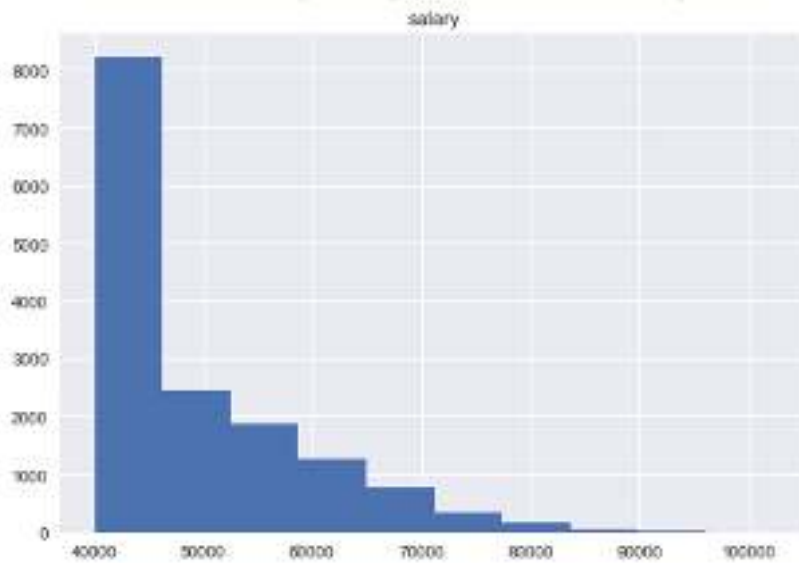|	
Dept_No	int
Emp_No	int
From_Date	Date
To_Date	Date

Salary by job title

As we can observe in the chart above, salaries are not assigned fairly, for example median salary for Assistant Engineer is the same as median salary for Engineer and Senior Engineer.
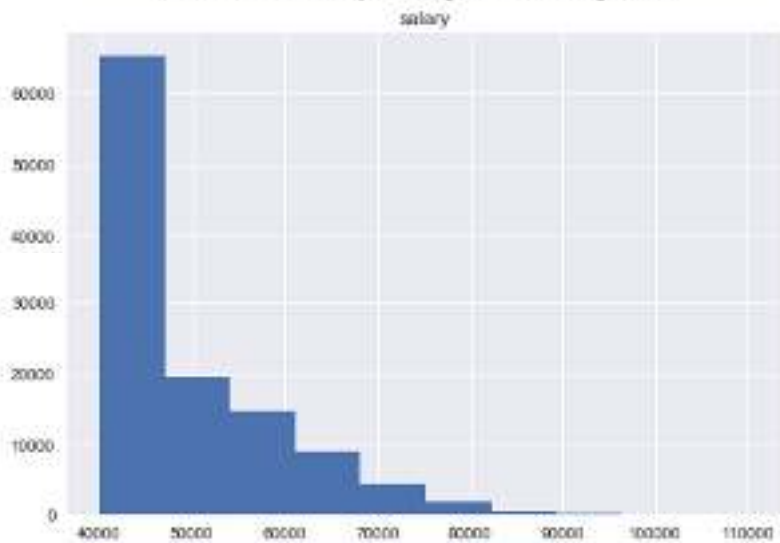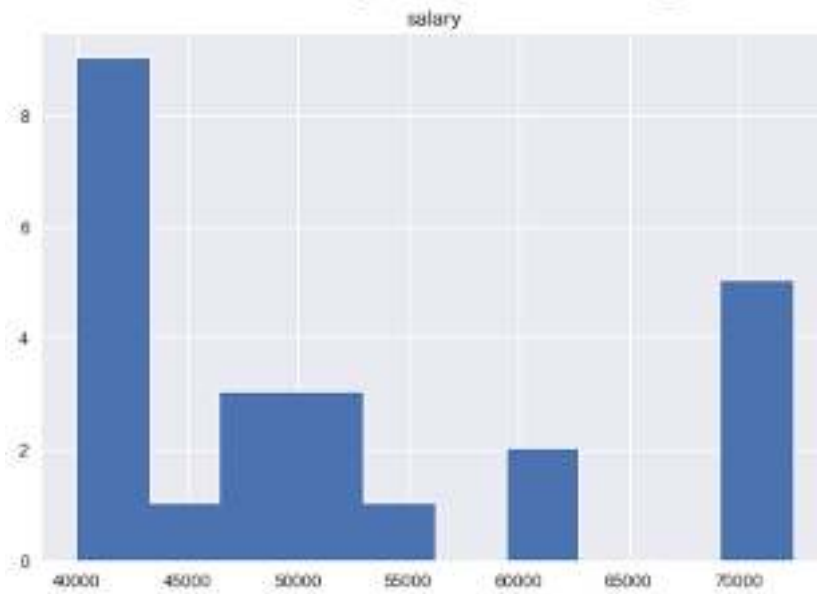Same happens with Staff and Senior Staff positions.

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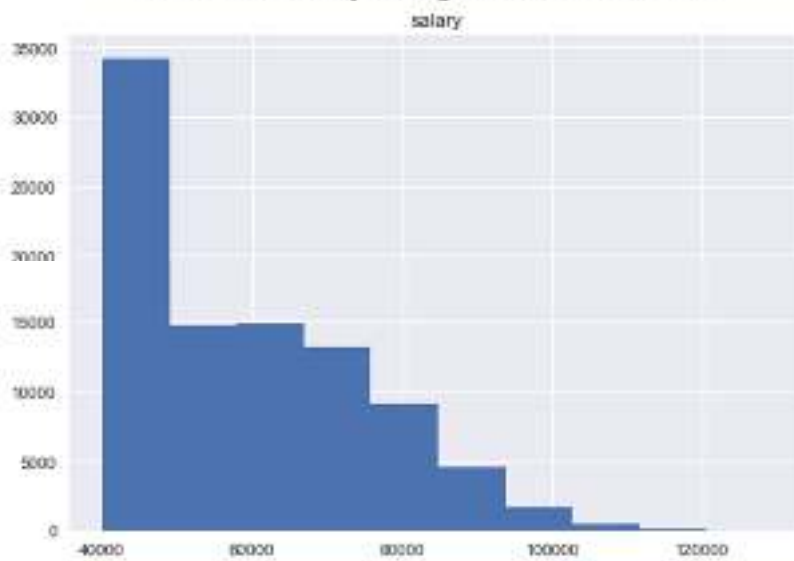This is the salary histogram for Assistant Engineer

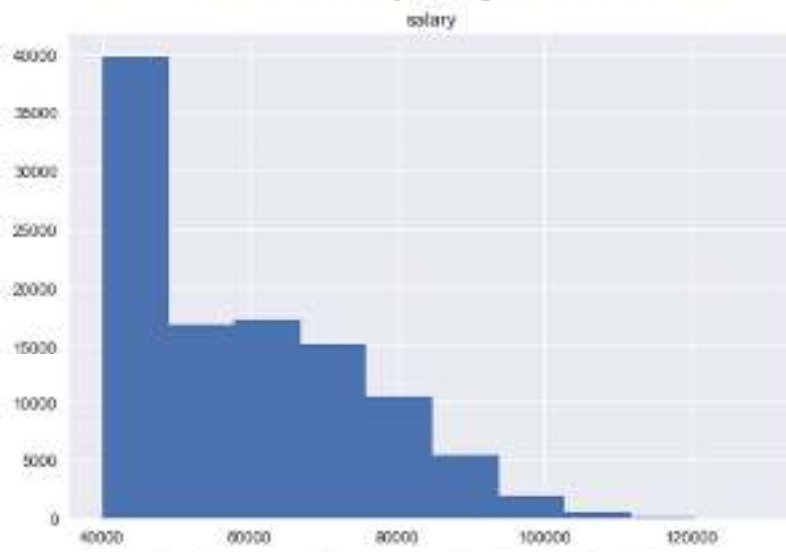salary

This is the salary histogram for Engineer

salary
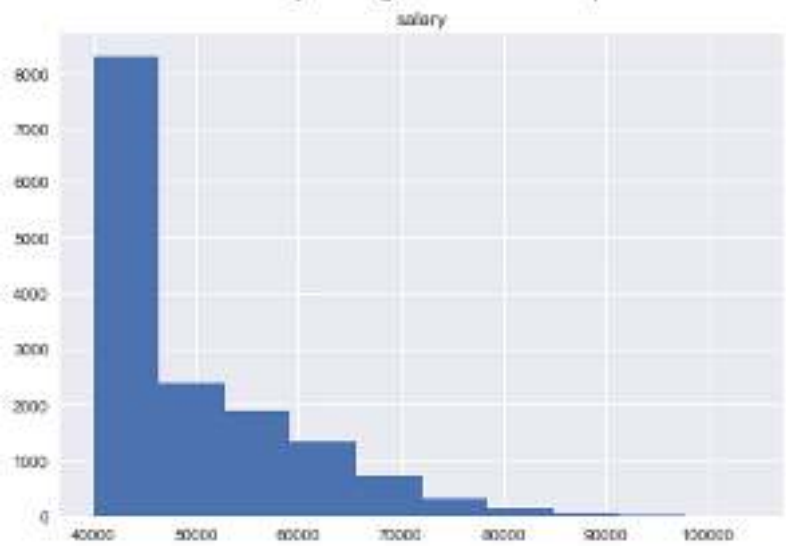
This is the salary histogram for Manager
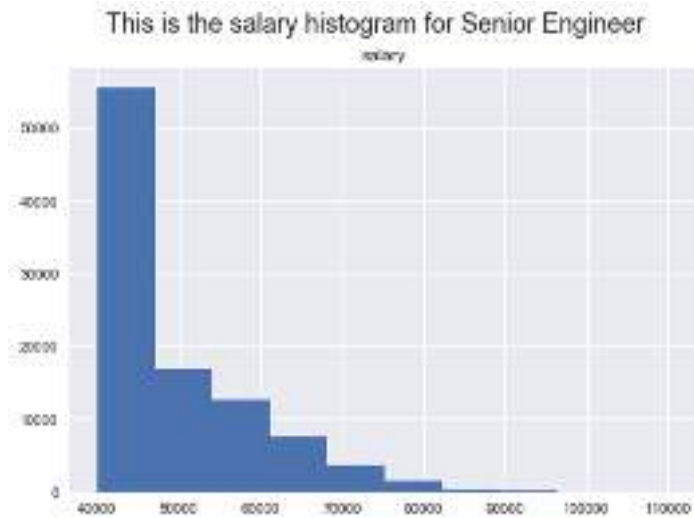

This is the salary histogram for Senior Staff

This is the salary histogram for Staff

salary

This is the salary histogram for Technique Leader

salary

This is the salary histogram for Senior Engineer

As we can observe in the salary histogram, salaries are not assigned fairly, for example there are employees doing the same job but getting paid much less.