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HW 9 SQL

Observations:

The most current date on the data set is 2001 for the salary table for to\_date.

I used the employee and salary tables (same join from query 1) and found the following results:

Of the 300,024 employees, 40% are female with an average salary of 52,954. The male average salary is 52,982.

I chose two years from the salary table 1986 and 2000, to compare differences with the number of employees and with the salary difference.

In 1986, I did not find a salary difference between male and female. In 2000, female average salary was 53,328 and male average salary was 53,082.

In addition, the percent of male to female workers has not changed (40%). In my opinion the dataset requires further study to determine why there is an increase in female salary. There is research from other data sources, *Earnings and The Gender Wage Gap*, that describe the increase female wage from 1980 to 2000.

##### **Earnings and the Gender Wage Gap**

https://statusofwomendata.org/earnings-and-the-gender-wage-gap/