

Elasticsearch

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Elasticsearch - Dataset

You can download the dataset at the following LINK.

The dataset is a collection of employees with the following attributes and types.

- Address Text
- Age Integer
- DateOfJoining Date
- **Designation** Text
- **FirstName** Text
- **Gender** Text
- Interests Text
- LastName Text
- MaritalStatus Text
- Salary Integer

Write a **full mapping** for the proposed structure, motivating your design choices. Set the number of shards and replicas to 10.

Write a query to collect all the employees whose first name is "Bob"

Write a query to collect all the employees whose salary is greater than 80'000 and less than 95'000.

Write a query to collect all the employees whose age is 31.

Write a query to collect all the employees who joined later than 03/09/2015.

Write a query to collect all the employees whose gender is exactly "Male".

Write a query to collect all the employees whose first name is "Moses" and whose last name is "Daschofsky".

Write a query to collect all the employees whose interests contains the words "Paragliding", "Kayaking", and "Playing". The more words are found, the higher the final score.

Write a query to collect all the employees whose name is "Elden", assigning a higher score those whose designation is "Delivery Manager".

Write a query to collect all the employees whose last name is "Weatherly" and whose salary is greater than 50'000. The name should not affect the final score.

Write a query to collect all the employees whose designation is "Manager", assigning a higher score to those whose gender is "Female" and those who are "Married".

Write a query to collect all the employees whose designation is "Manager" or "Delivery Manager" and whose salary is not higher than 150'000. Assign a higher score to those whose interests includes "Blogging".

Write a query to count the number of employees based on their gender and designation.

Write a query to count the number of employees based on their gender. Then, compute the number of people based on their age for each gender.