

## Database model documentation

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# 1. Model details

**Model name:**

Data Science Skills

**Version:**

2.4

**Database engine:**

MySQL

**Description:**

ERD Diagram for Project 3

## 2. Tables

### 2.1. Table job\_benefits

#### 2.1.1. Columns

Column name	Type	Properties	Description
job_id	int	PK	The job ID
type	varchar(25)	null	Type of benefit provided (401K, Medical Insurance, etc)
inferred	bool		Whether the benefit was explicitly tagged or inferred through text by LinkedIn

### 2.2. Table employee\_counts

#### 2.2.1. Columns

Column name	Type	Properties	Description
company_id	int	PK	The company ID
employee_count	int		Number of employees at company
follower_count	int		Number of company followers on LinkedIn
time_recorded	time		Unix time of data collection

### 2.3. Table company

#### 2.3.1. Columns

Column name	Type	Properties	Description
company_id	int	PK	The company ID as defined by LinkedIn
company_description	varchar(255)		Company description
company_size	char(1)		Company grouping based on number of employees (0 Smallest - 7 Largest)
country	varchar(255)		Country of company headquarters.

state	varchar(255)		State of company headquarters.
city	varchar(255)		City of company headquarters.
zip_code	varchar(10)		ZIP code of company's headquarters.
address	varchar(255)		Address of company's headquarters
url	varchar(255)		Link to company's LinkedIn page

## 2.4. Table job\_postings

### 2.4.1. Columns

Column name	Type	Properties	Description
job_id	int	PK	The job ID as defined by LinkedIn ( <a href="https://www.linkedin.com/jobs/view/job_id">https://www.linkedin.com/jobs/view/job_id</a> )
company_id	int		Identifier for the company associated with the job posting
job_title	varchar(255)		Job title.
job_description	varchar(255)		Job description.
max_salary	int		Maximum salary
med_salary	int		Median salary
min_salary	int		Minimum salary
pay_period	varchar(15)		Pay period for salary (Hourly, Monthly, Yearly)
formatted_work_type	varchar(15)		Type of work (Fulltime, Parttime, Contract)
job_location	varchar(255)		Job location
job_applicants	int		Number of applications that have been submitted
original_listed_time	datetime		Original time the job was listed
remote_allowed	bool		Whether job permits remote work

views	int		Number of times the job posting has been viewed
job_posting_url	varchar(255)		URL to the job posting on a platform
application_url	varchar(255)		URL where applications can be submitted
application_type	varchar(15)		Type of application process (offsite, complex/simple onsite)
expiry	datetime		Expiration date or time for the job listing
closed_time	datetime		Time to close job listing
formatted_experience_level	varchar(50)		Job experience level (entry, associate, executive, etc)
skills_desc	text		Description detailing required skills for job
listed_time	time		Time when the job was listed
posting_domain	varchar(255)		Domain of the website with application
sponsored	bool		Whether the job listing is sponsored or promoted.
work_type	varchar(255)		Type of work associated with the job
currency	varchar(15)		Currency in which the salary is provided.
compensation_type	varchar(15)		Type of compensation for the job.

## 3. References

### 3.1. Reference Company\_Employee\_Counts

<a href="#">company</a>	<b>1..1</b>	<a href="#">employee_counts</a>
company_id	<->	company_id

### 3.2. Reference job\_postings\_job\_details

<a href="#">job_postings</a>	<b>1..1</b>	<a href="#">job_benefits</a>
job_id	<->	job_id

### 3.3. Reference job\_postings\_job\_benefits

<a href="#">company</a>	<b>1..*</b>	<a href="#">job_postings</a>
company_id	<->	company_id

## 4. Notes

This is an Entity Relational Diagram for Project 3 - Data Science Skills.