

Data Normalization

Data Science Careers & Salaries 2025

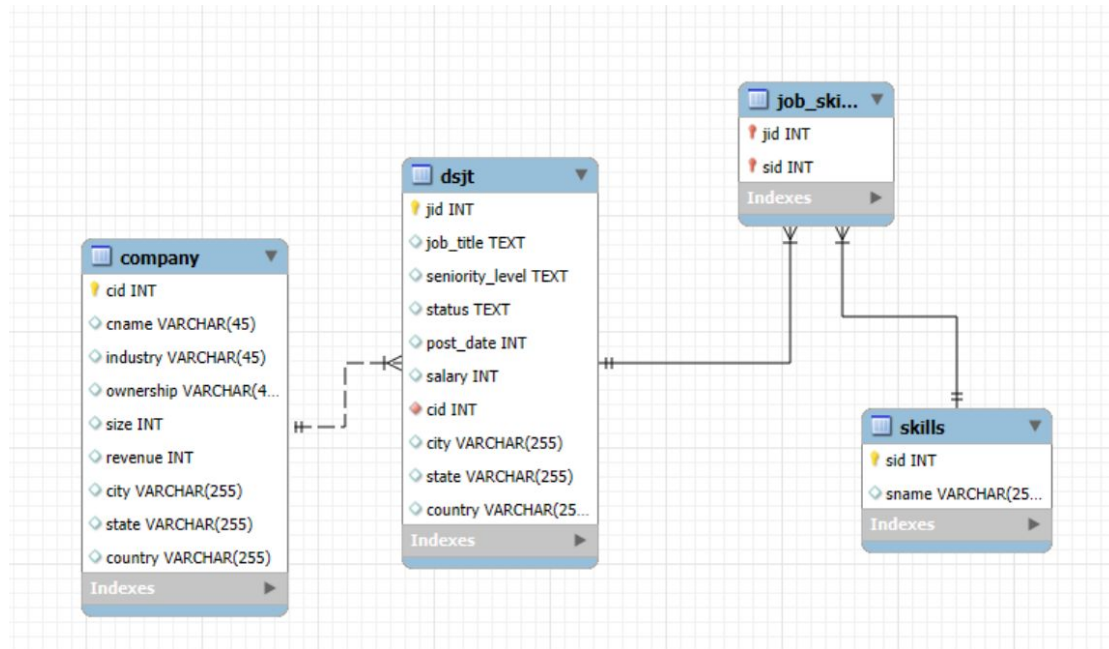
<https://www.kaggle.com/datasets/nalisha/data-science-careers-and-salaries-2025>

data_science_job_posts_2025.csv (195.94 kB)

Detail Compact Column 13 of 13 columns

job_title	seniority_level	status	company	location	post_date	headquarter
A job title in dataset	A seniority level in dataset	Dataset status is very high	Dataset company	A location in dataset	The title_data in dataset	A headquarter job
data scientist machine learning ... Other (8)	senior lead Other (198)	on-site [null] Other (325)	company_134 company_003 Other (890)	Bengaluru, Karnat... Fully Remote Other (857)	a month ago 7 days ago Other (673)	San Francisco, New York, NY, Other (787)
data scientist	senior	hybrid	company_003	Grapevine, TX . Hybrid	17 days ago	Bentonville,
data scientist	lead	hybrid	company_005	Fort Worth, TX . Hybrid	15 days ago	Detroit, MI,
data scientist	senior	on-site	company_007	Austin, TX . Toronto, Ontario, Canada . Kirkland, WA . Orlando, FL . Edmonton, Alberta, Canada + 1 M...	a month ago	Redwood City
data scientist	senior	hybrid	company_008	Chicago, IL . Scottsdale, AZ . Austin, TX . Hybrid	8 days ago	San Jose, CA
data scientist		on-site	company_009	On-site	3 days ago	Stamford, CT
data scientist	lead		company_013	New York, NY	3 months ago	New York, NY

E-R Diagram



SQL and Java

```
CREATE TABLE job_skills (  
    jid INT,  
    sid INT,  
    PRIMARY KEY (jid, sid),  
    FOREIGN KEY (jid) REFERENCES dsjt(jid),  
    FOREIGN KEY (sid) REFERENCES skills(sid)  
);
```

```
public class Main {  
    /* Get skills by candidate id */  
    public static void salariesForSkill(String skill) {  
        //  
        String query = "{ call skill_salary(?) }";  
        ResultSet rs;  
        try (Connection conn = datajobjdbc.getConnection();  
            CallableStatement stmt = conn.prepareCall(query)) //  
        {  
            stmt.setString(1, skill);  
            rs = stmt.executeQuery(); // Execute Statement  
            while (rs.next()) {  
                System.out.println(String.format("$%s - %s",  
                    rs.getString("salary"),  
                    rs.getString("sname")));  
            }  
        }  
    }  
}
```

Questions?

