

# Data Normalization

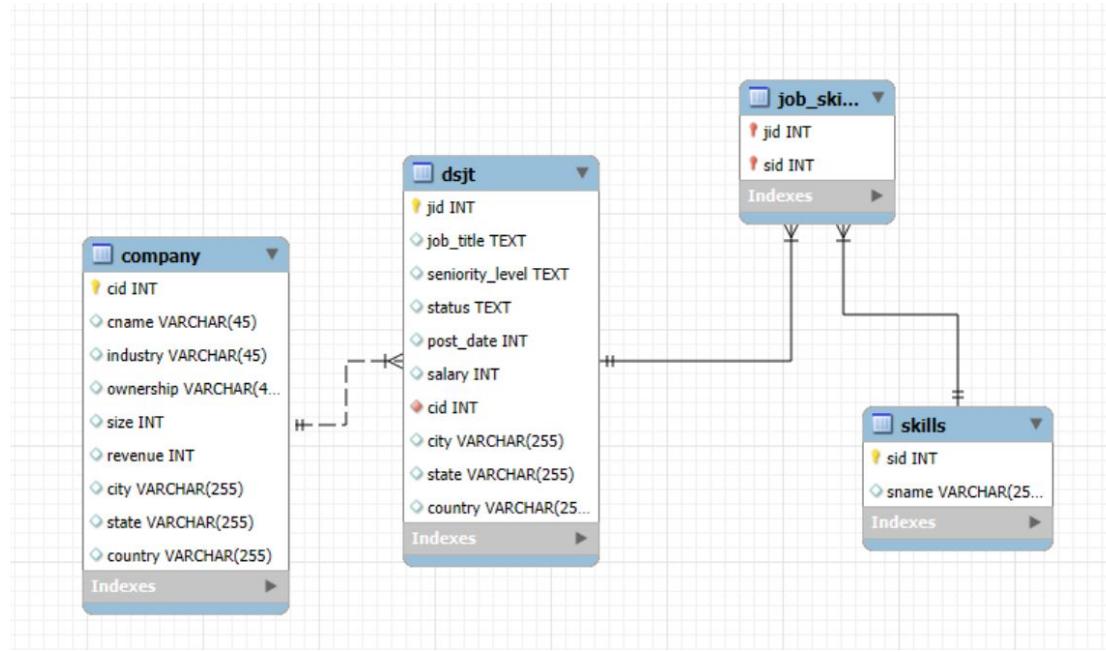
Data Science Careers & Salaries 2025  
<https://www.kaggle.com/datasets/nalish/a-data-science-careers-and-salaries-2025>

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	Datset company	A location in dataset	The title_data in dataset	A headquater job						
data scientist machine learning ... Other (8)	91% 8% 1%	senior lead Other (198)	67% 12% 21%	on-site [null] Other (325)	38% 27% 34%	company_134 company_003 Other (890)	3% 3% 94%	Bengaluru, Karnat... Fully Remote Other (857)	6% 4% 91%	a month ago 7 days ago Other (673)	18% 11% 71%	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?

