



SAINT LOUIS UNIVERSITY

SCHOOL FOR PROFESSIONAL STUDIES

CYBER SECURITY JOBS

DASHBOARD





Team 9

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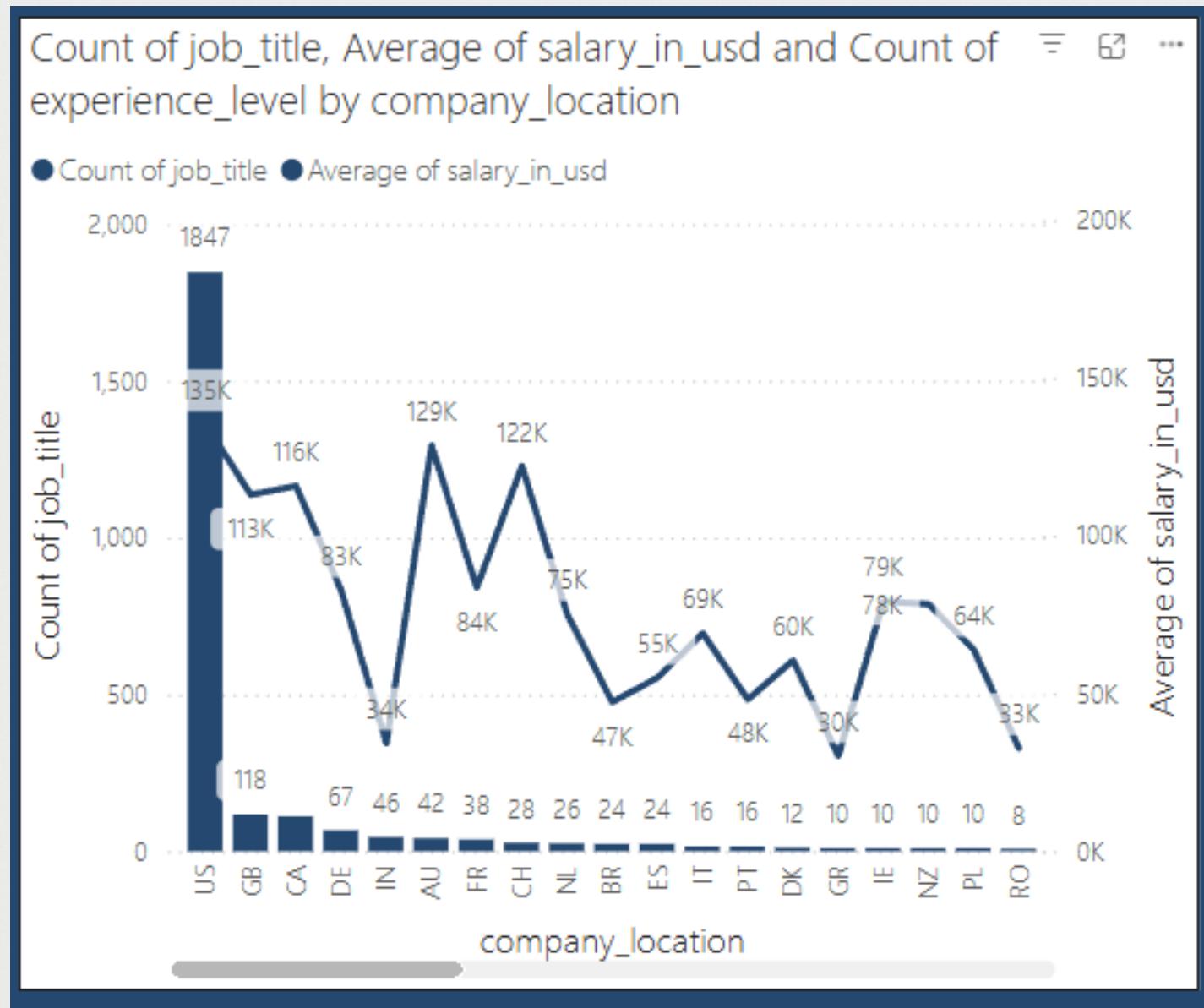


Cybersecurity Job Dashboard

This presentation demonstrates how the Cybersecurity Job Dashboard aligns with key business requirements by validating critical metrics such as job distribution, salary trends, certifications, remote work insights, and security clearance requirements.

The traceability matrix ensures that each visualization accurately addresses project goals and provides actionable insights for cybersecurity workforce planning.

1. Show count of job titles and average salary by country



Information Needed

company_location,
job_title, salary_in_usd

Validation Method

Validate country-wise job counts and salary averages against raw data

2. Summarize total job titles



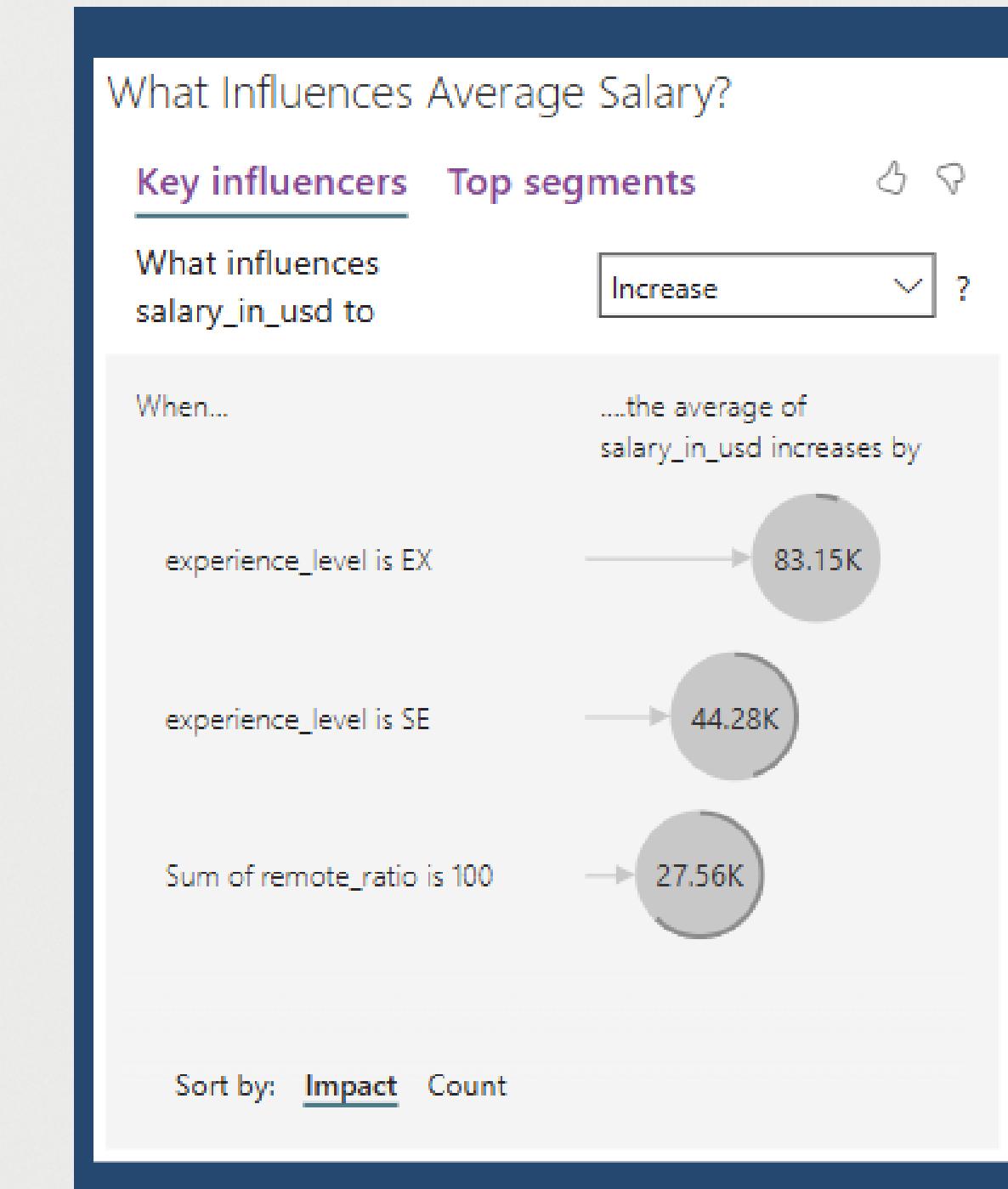
Information Needed

job_title

Validation Method

Check if KPI matches the distinct count of job titles

3. Understand what influences salary



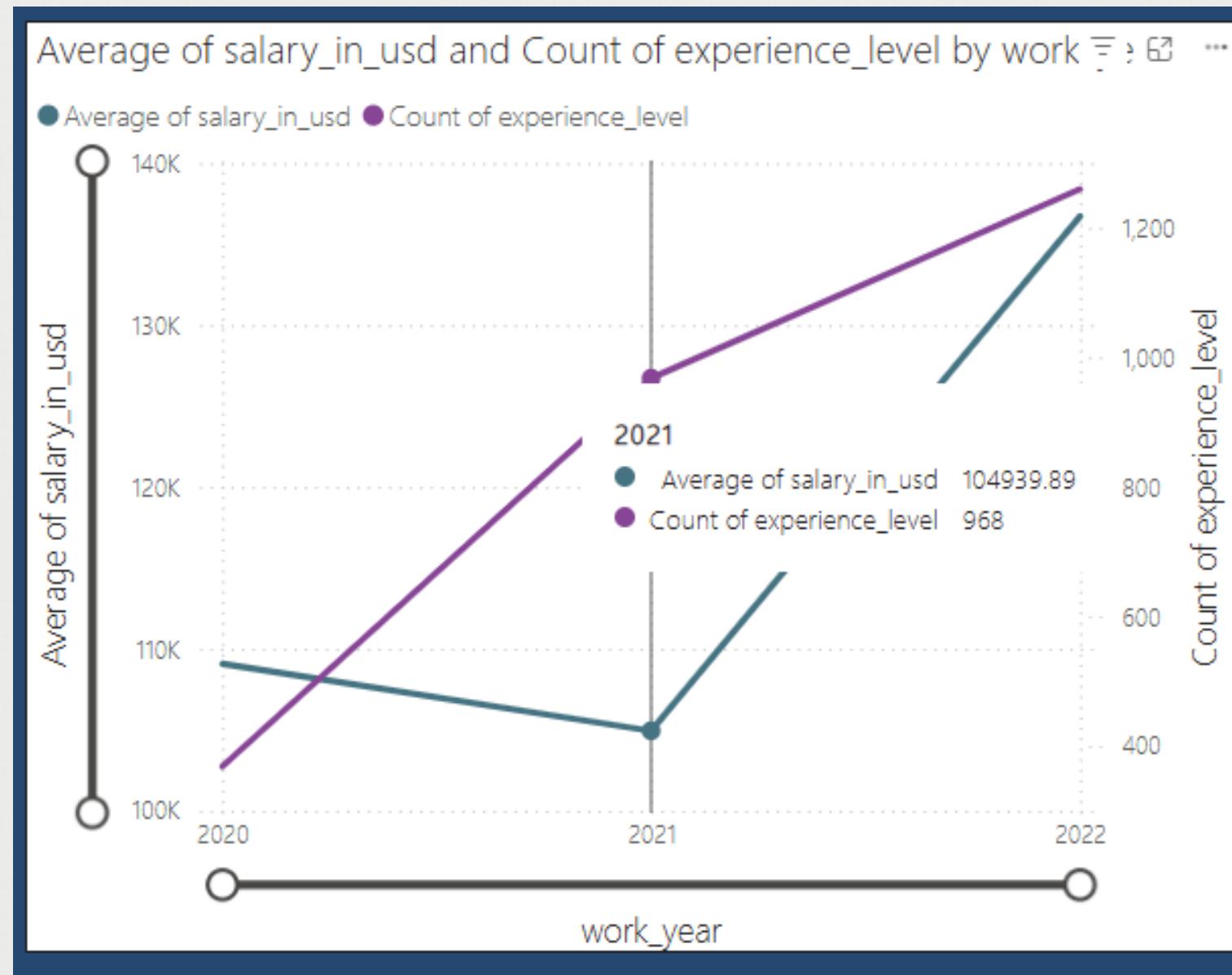
Information Needed

experience_level,
remote_ratio,
salary_in_usd

Validation Method

Verify important factors (like experience level, remote ratio) using dataset relationships

4. Visualize salary trend over years



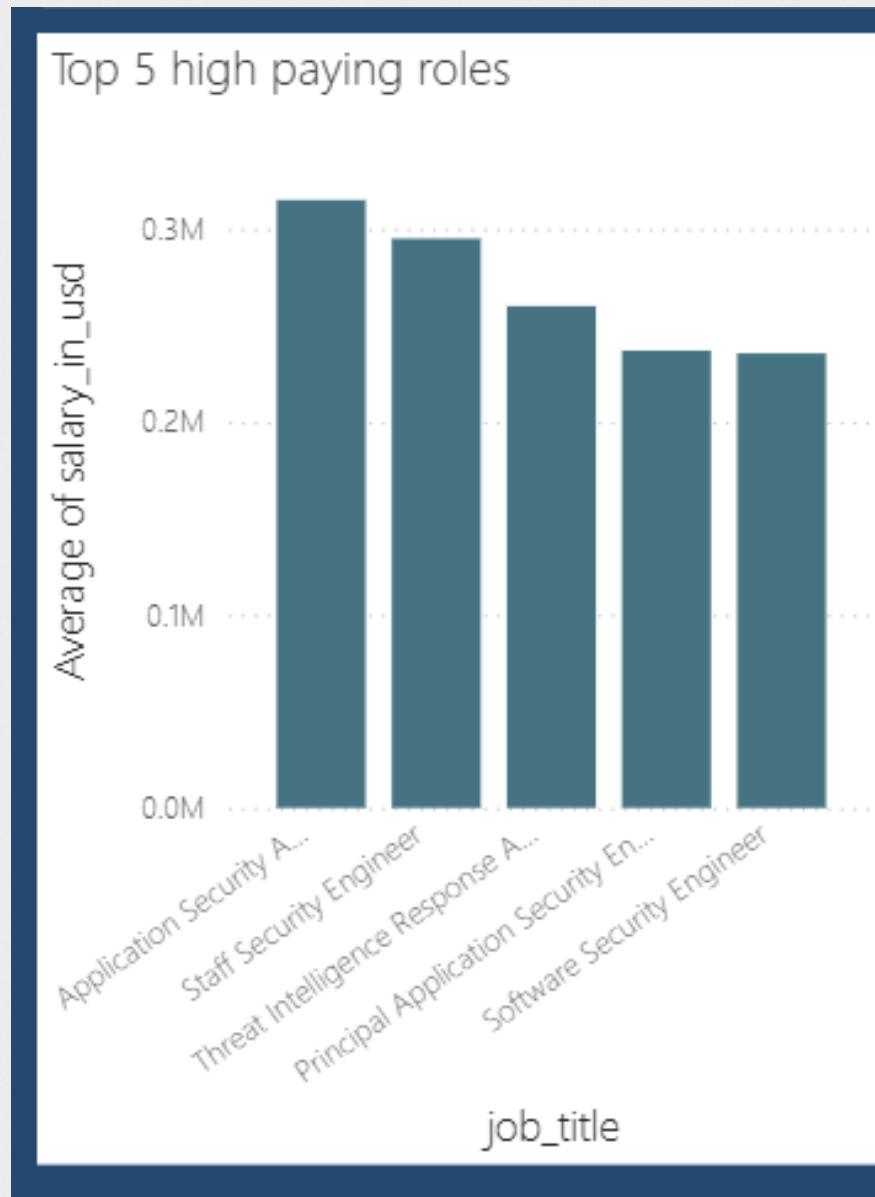
Information Needed

work_year,
salary_in_usd

Validation Method

Compare average salary trends
year by year from raw data

5. Identify top 5 highest paying roles



Information Needed

job_title,
salary_in_usd

Validation Method

Validate top 5 job roles and salaries manually from dataset

6. Show total roles above \$100K salary



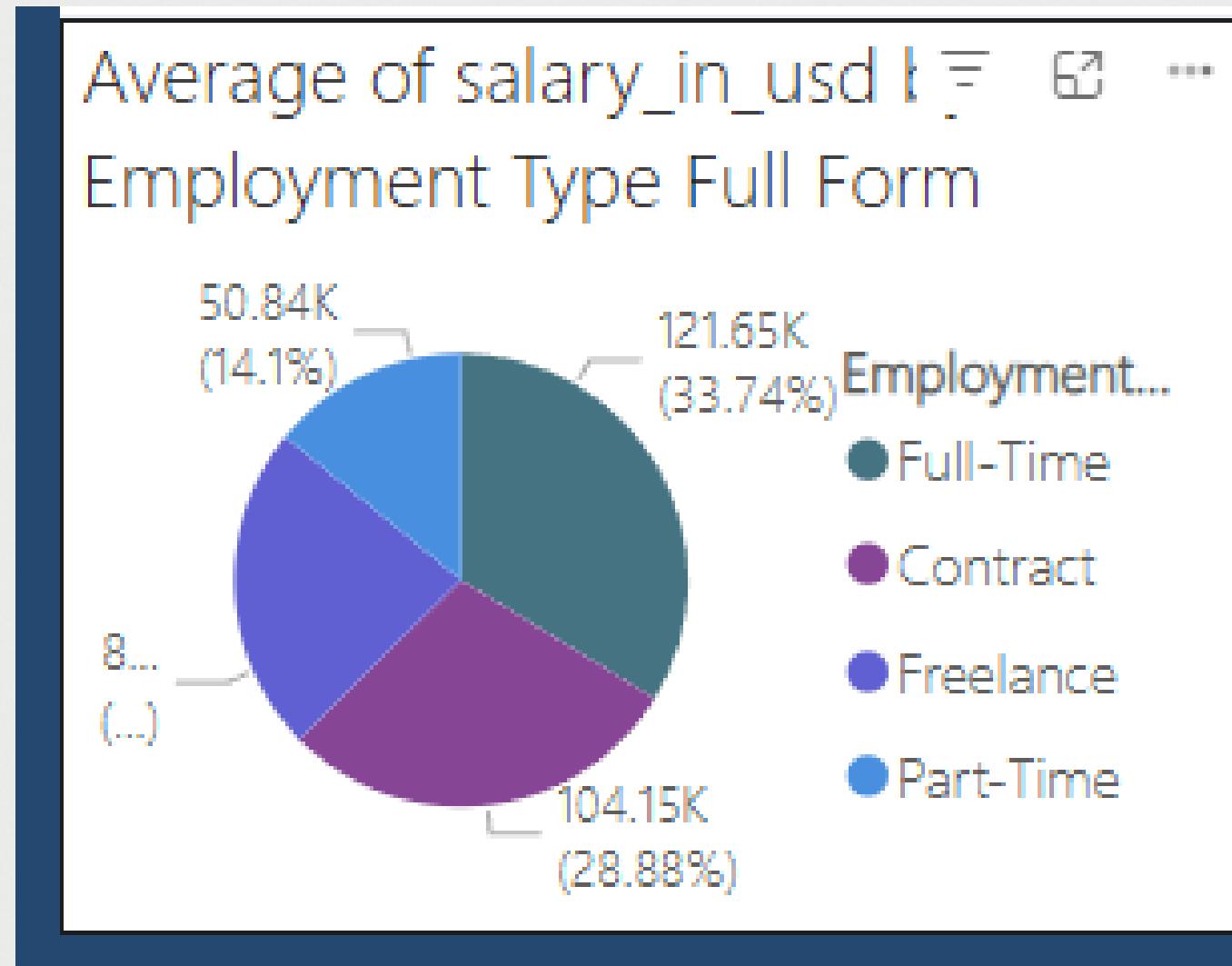
Information Needed

salary_in_usd

Validation Method

Filter roles with salary >100K and count them manually

7. Visualize average salary by employment type



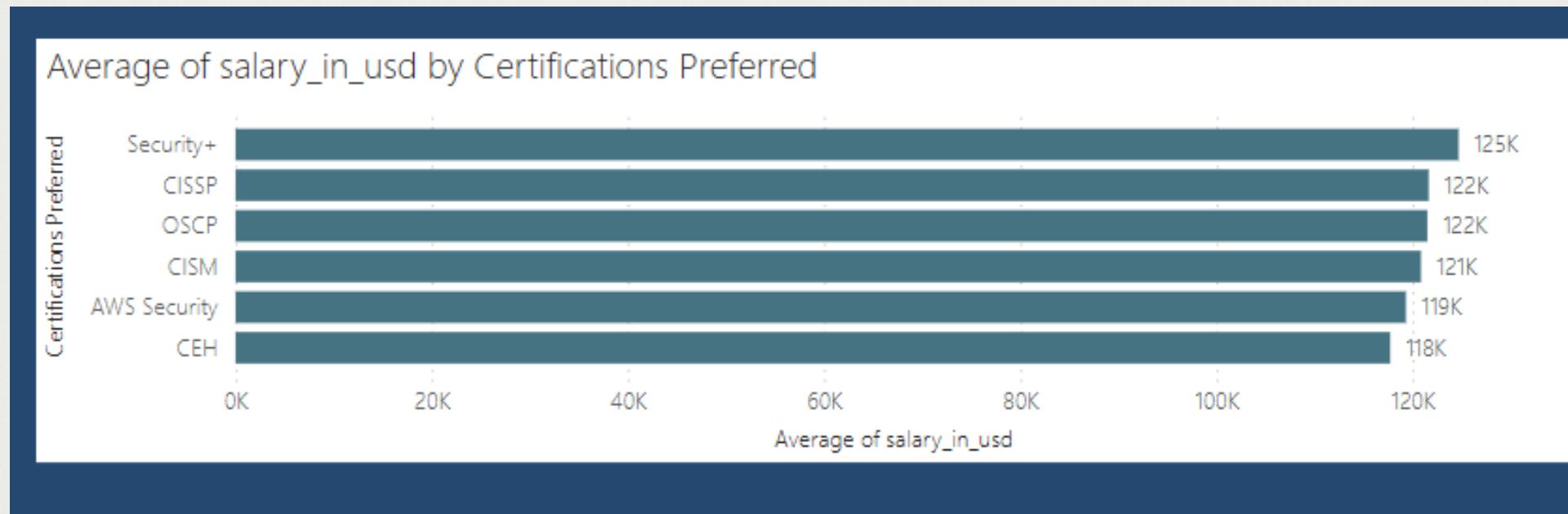
Information Needed

employment_type,
salary_in_usd

Validation Method

Validate salary grouping by FT, PT,
CT, FL categories

8. Analyze count and average salary by certifications



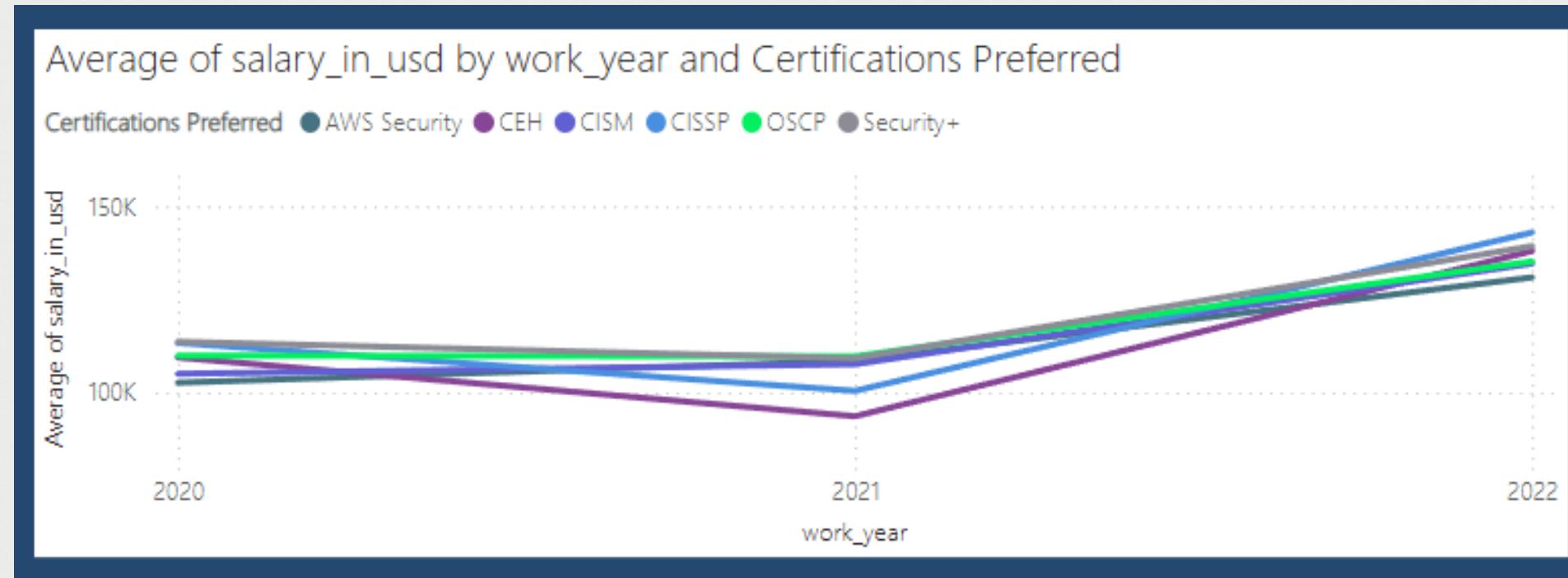
Information Needed

Certifications Preferred,
salary_in_usd

Validation Method

Match salary and count values with
certification field

9. Show salary trend by certification over years



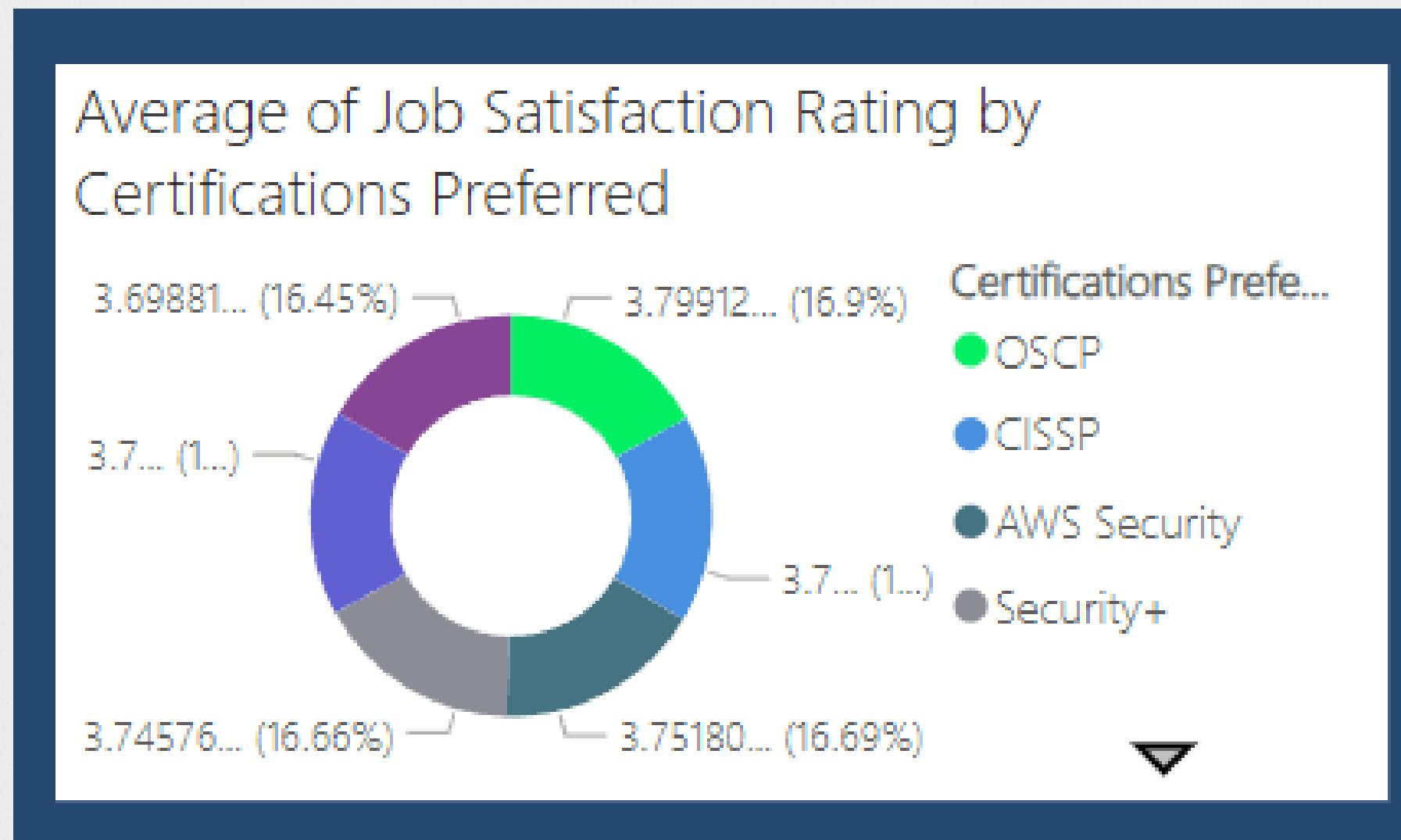
Information Needed

Certifications Preferred,
work_year,
salary_in_usd

Validation Method

Verify year-wise salary trend for each certification group

10. Measure job satisfaction by certification



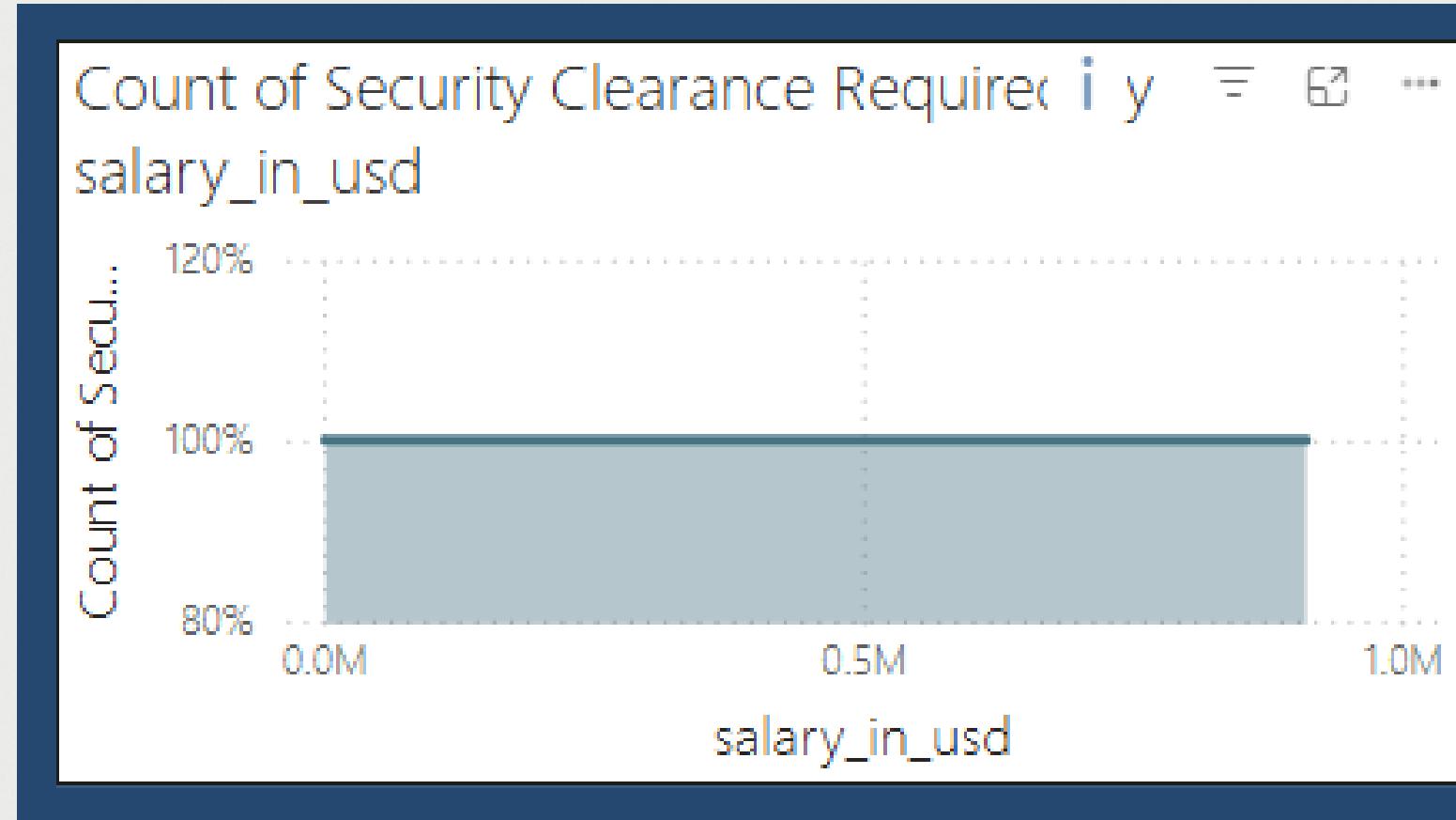
Information Needed

Certifications Preferred,
Job Satisfaction Rating

Validation Method

Compare average satisfaction
values across certifications

11. Analyze clearance requirement and salary



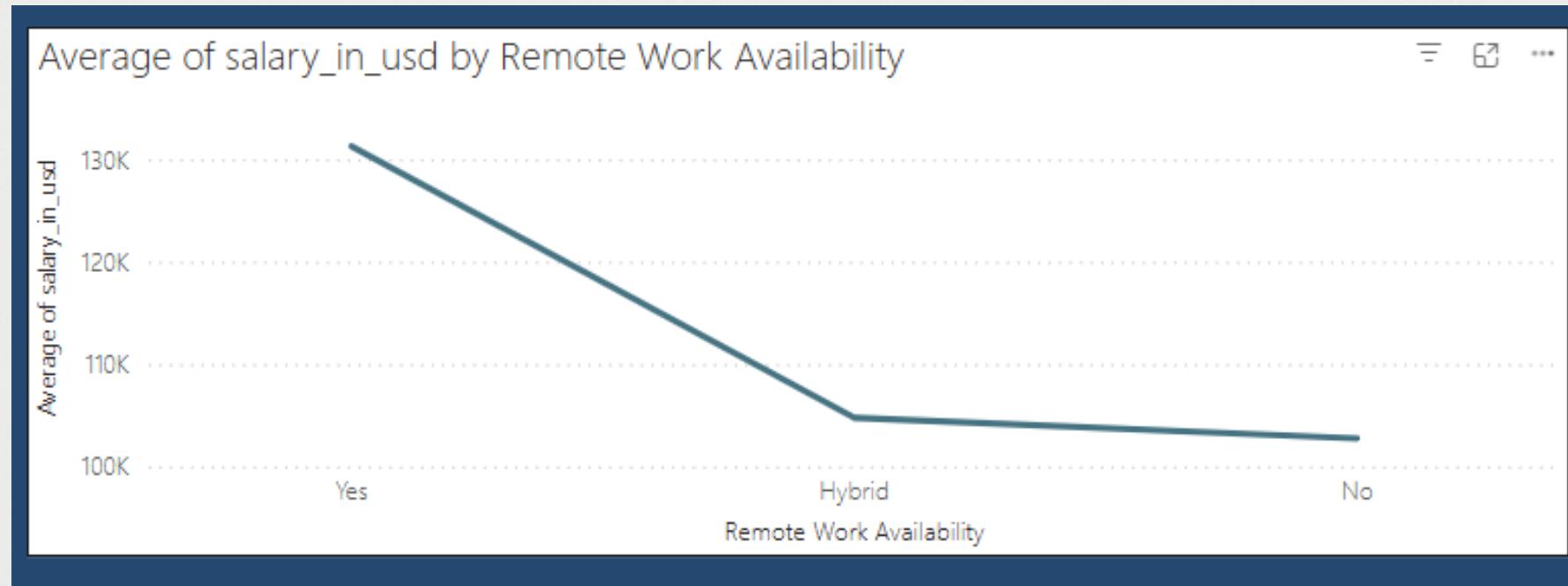
Information Needed

Security Clearance Required, salary_in_usd

Validation Method

Filter by clearance types and validate counts and salary values

12. Explore salary by remote work availability



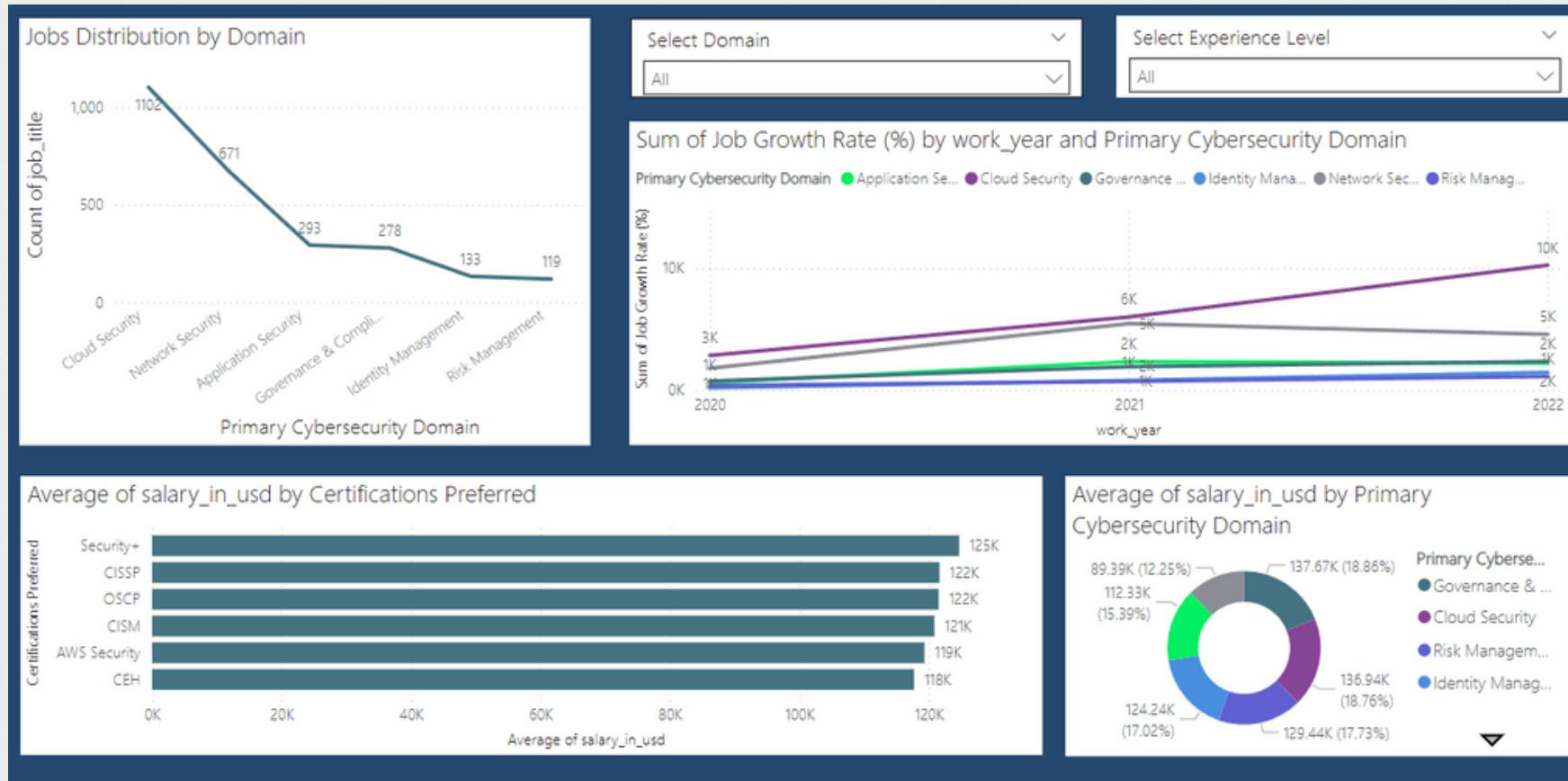
Information Needed

Remote Work Availability,
salary_in_usd

Validation Method

Validate remote categories (Yes, Hybrid, No) salary averages

13. Domain



Information Needed

Average of Salary

Validation Method

Validate Domain Names (App security, Cloud Security)



Conclusion

- The Cybersecurity Job Dashboard successfully meets all defined project requirements, validated through a structured traceability matrix.
- Visualizations provide clear insights into salary trends, role distribution, experience impact, and certification value in the cybersecurity job market.
- The dashboard enables faster, data-driven decision-making for hiring managers, career planners, and cybersecurity workforce strategists.
- Future enhancements could include real-time job market updates and predictive analytics for upcoming role demands.