Traceability Matrix – Cybersecurity Job Dashboard

Requirement	Information Needed	How the Info Is Provided	Method of Validation
Show count of job titles and average salary by country	company_location, job_title, salary_in_usd	Clustered Bar Chart (Country vs Count of Jobs and Avg Salary)	Validate country-wise job counts and salary averages against raw data
Summarize total job titles	job_title	KPI Card (Total Job Titles)	Check if KPI matches the distinct count of job titles
Understand what influences salary	experience_level, remote_ratio, salary_in_usd	Key Influencer Visual	Verify important factors (like experience level, remote ratio) using dataset relationships
Visualize salary trend over years	work_year, salary_in_usd	Line Chart (Avg Salary vs Work Year)	Compare average salary trends year by year from raw data
Identify top 5 highest paying roles	job_title, salary_in_usd	Bar Chart (Top 5 Job Titles by Avg Salary)	Validate top 5 job roles and salaries manually from dataset
Show total roles above $100K salary	salary_in_usd	KPI Card (Total Roles Above 100K)	Filter roles with salary >100K and count them manually
Visualize average salary by employment type	employment_type, salary_in_usd	Bar Chart (Employment Type vs Avg Salary)	Validate salary grouping by FT, PT, CT, FL categories
Analyze count and average salary by certifications	Certifications Preferred, salary_in_usd	Bar Chart (Certification vs Avg Salary) + Bar Chart (Certification vs Job Count)	Match salary and count values with certification field
Show salary trend by certification over years	Certifications Preferred, work_year, salary_in_usd	Line Chart (Avg Salary by Certification and Year)	Verify year-wise salary trend for each certification group
Measure job satisfaction by certification	Certifications Preferred, Job Satisfaction Rating	Bar Chart (Avg Satisfaction Rating by Certification)	Compare average satisfaction values across certifications
Analyze clearance requirement and salary	Security Clearance Required, salary_in_usd	Pie Chart (Clearance Required %) + Bar Chart (Avg Salary by Clearance Type)	Filter by clearance types and validate counts and salary values
Explore salary by remote work availability	Remote Work Availability, salary_in_usd	Bar Chart (Remote Work Availability vs Avg Salary)	Validate remote categories (Yes, Hybrid, No) salary averages

Visualize job distribution by cybersecurity domain	Primary Cybersecurity Domain, job_title	Bar Chart (Jobs Count by Domain)	Check job counts per domain match raw dataset
Visualize salary distribution by domain specialization	Primary Cybersecurity Domain, salary_in_usd	Bar Chart (Avg Salary by Cybersecurity Domain)	Validate average salary values for each domain grouping
Analyze job growth trends over years by domain	Primary Cybersecurity Domain, work_year, Job Growth Rate (%)	Line Chart (Sum of Job Growth Rate % by Domain and Year)	