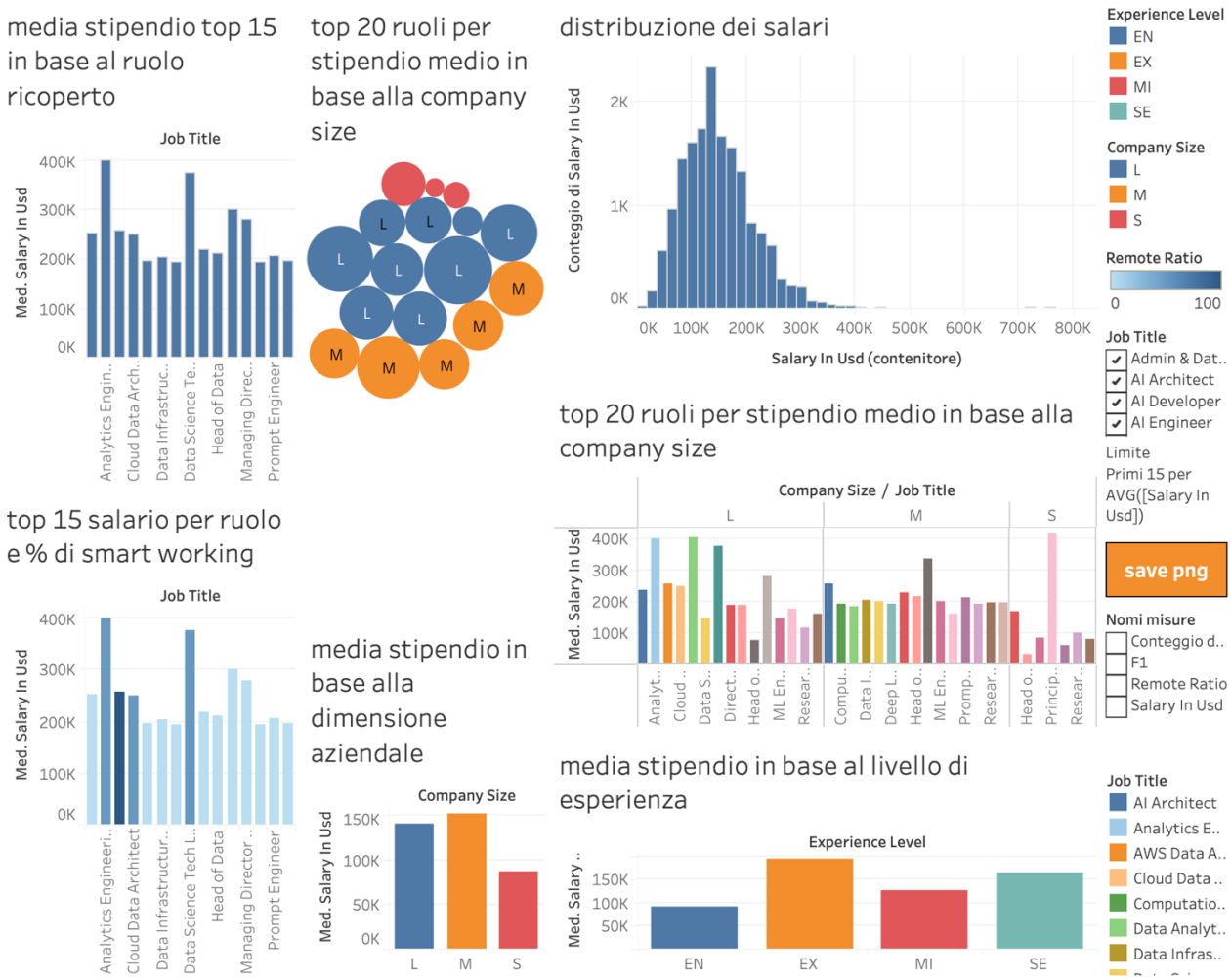
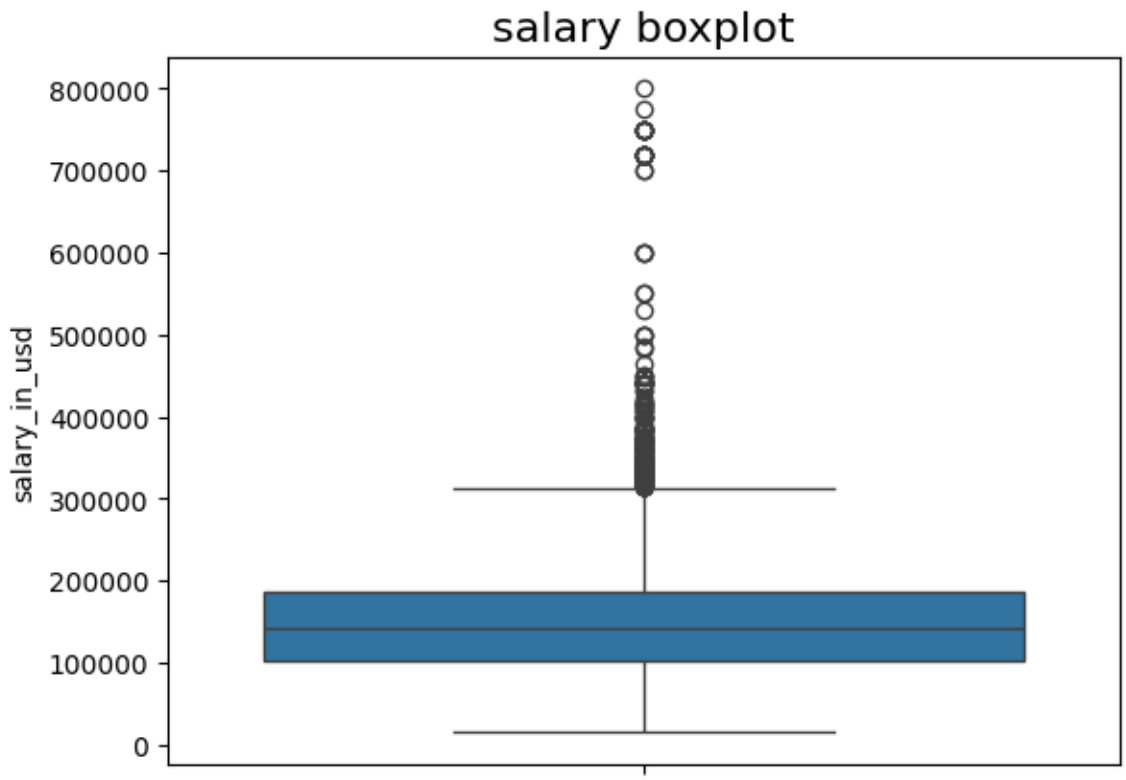
DATA DEVELOPER SALARY ANALYTICS

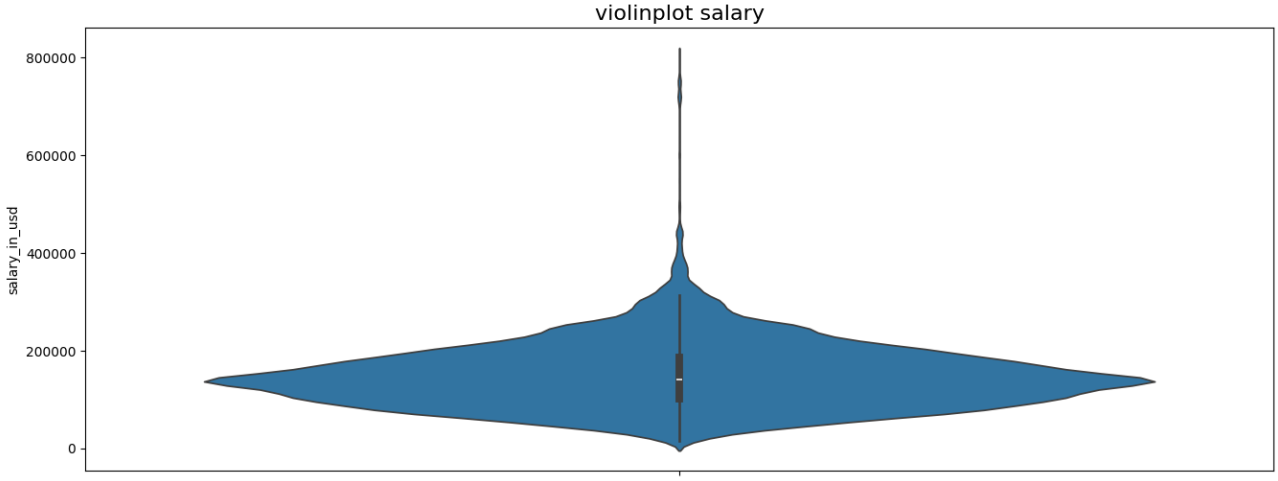
This is a data analytics project on US data developers' salary. Data about salary are in USD dollars. The input of the analysis is a cleaned dataset, not the original available on Kaggle.

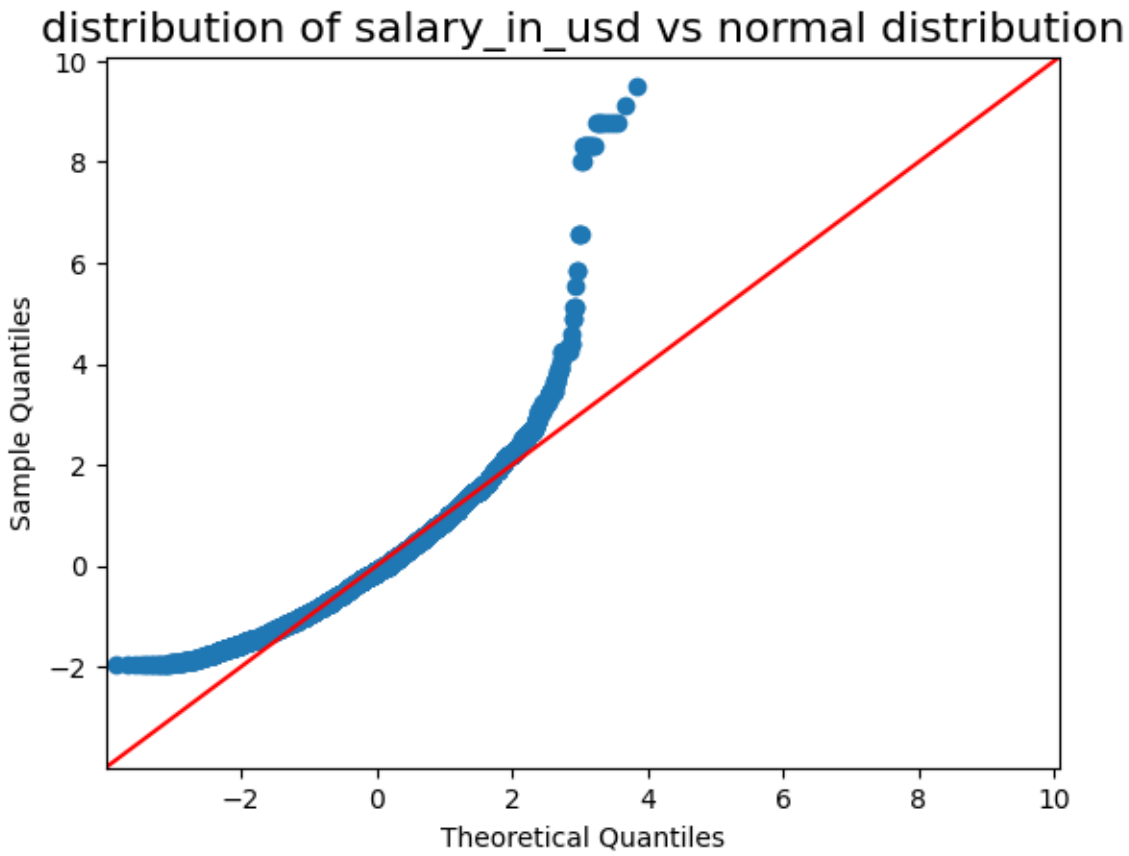
- Analysis Dashboard

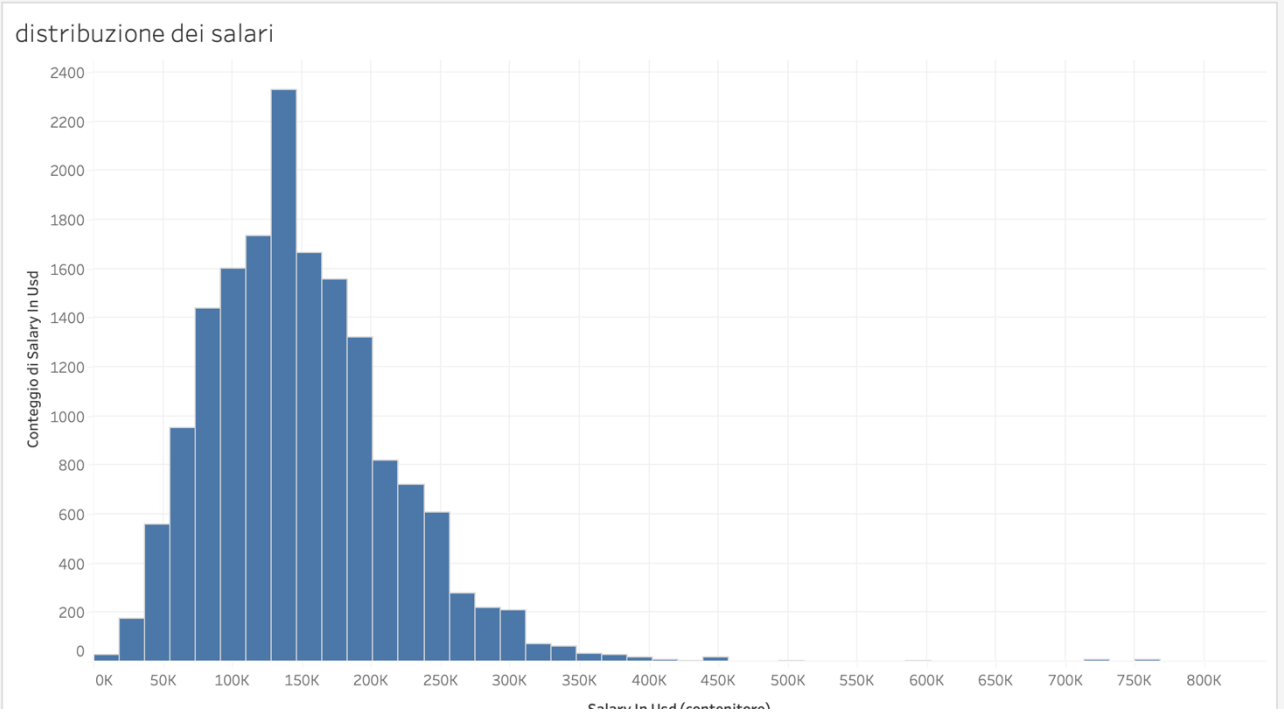


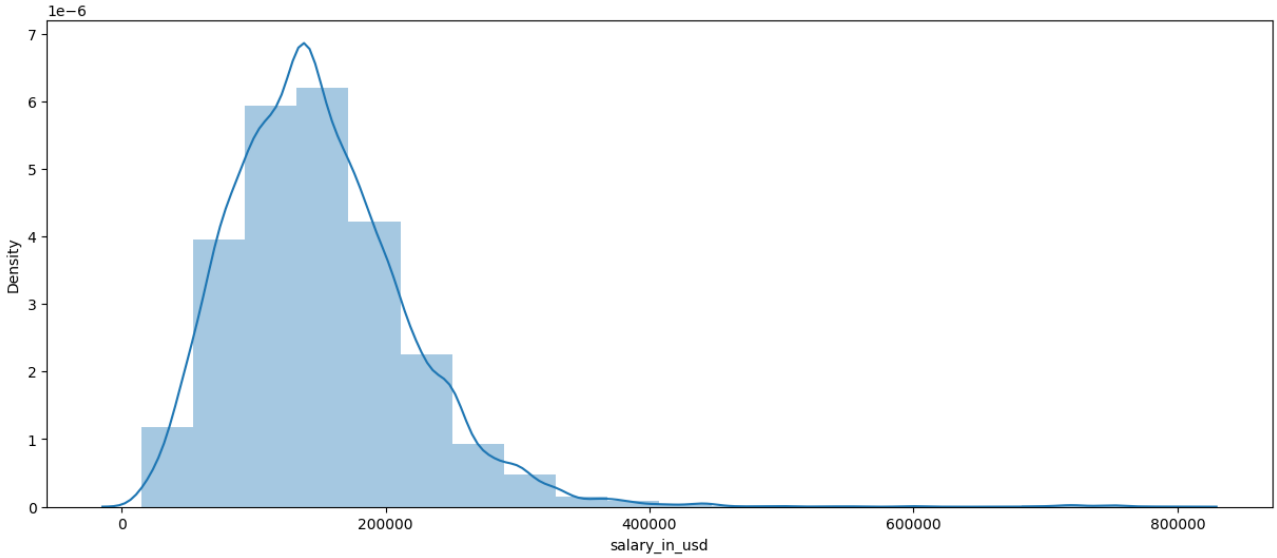
- Data Distribution :



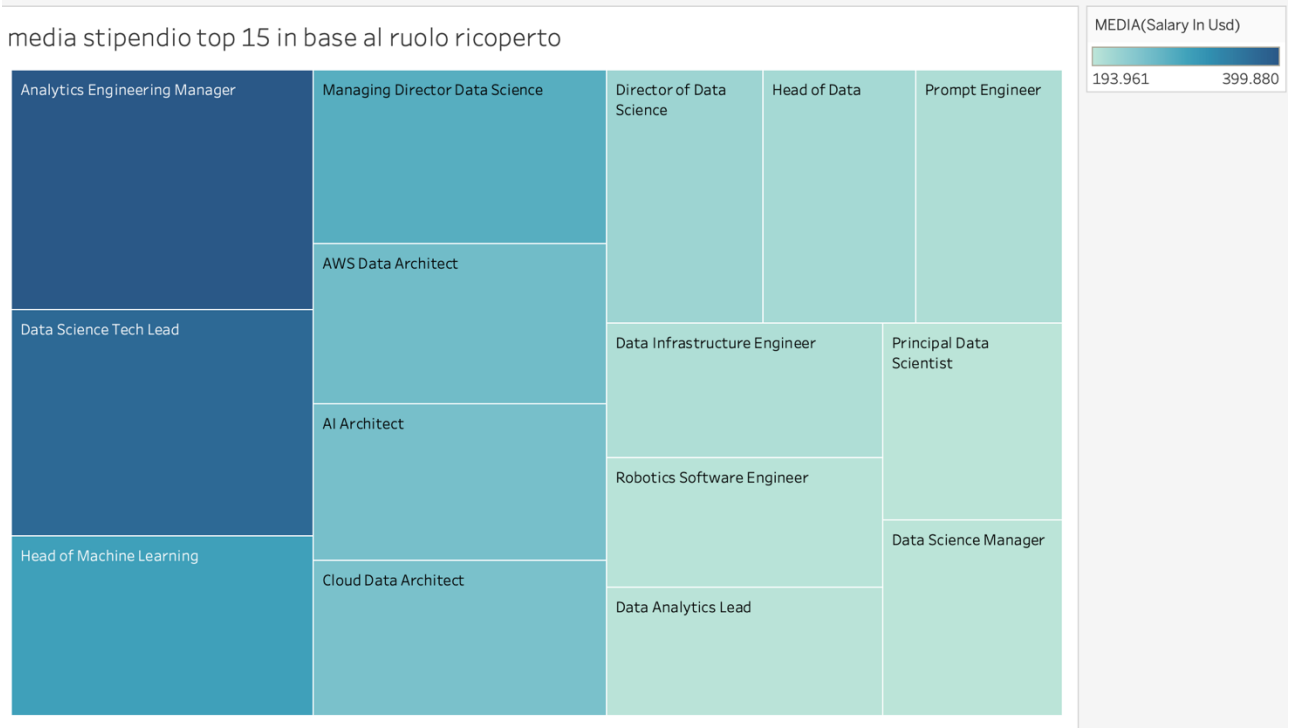


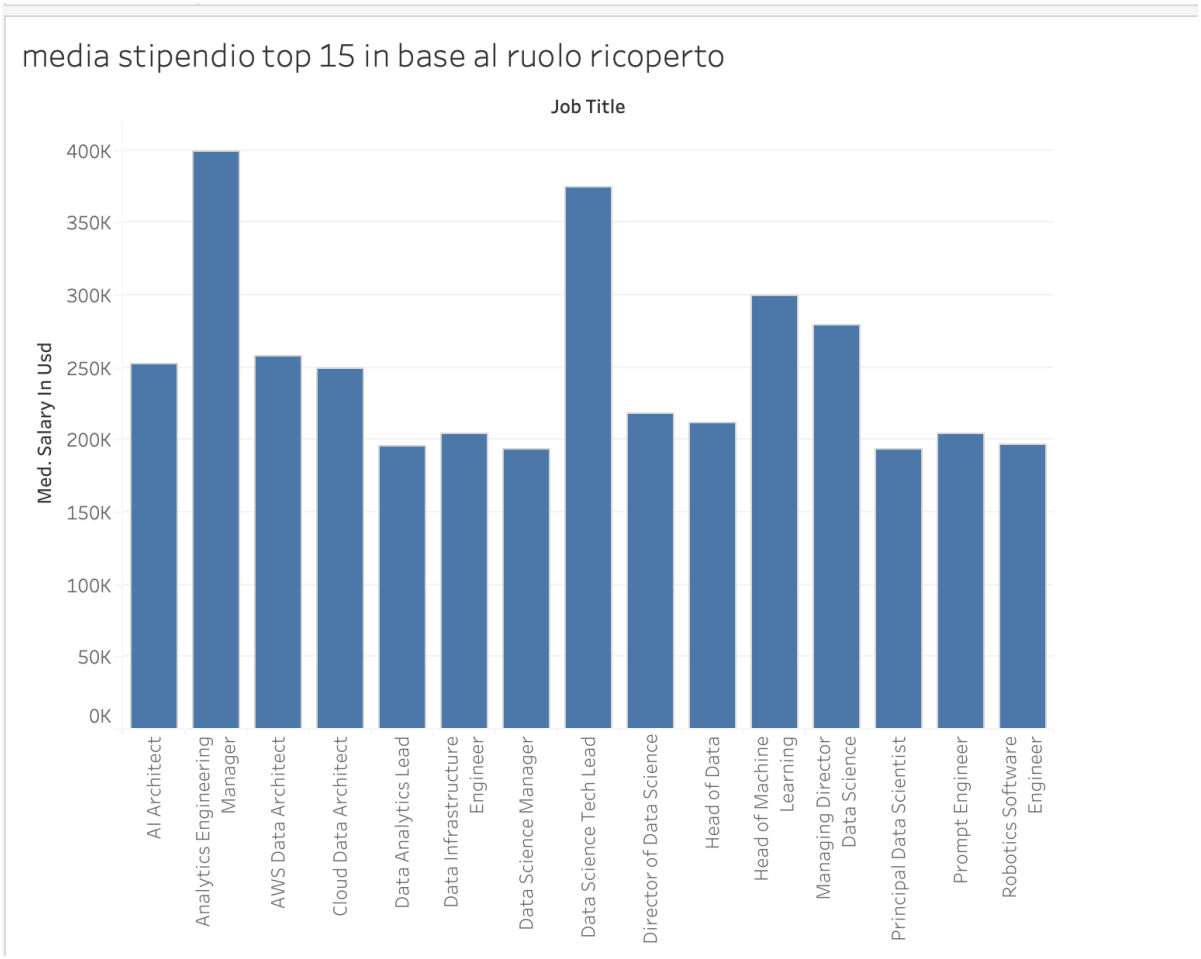

distribution of salary_in_usd vs normal distribution
Sample Quantiles
Theoretical Quantiles
10
8
6
4
2
0
−2
−2
0
2
4
6
8
10

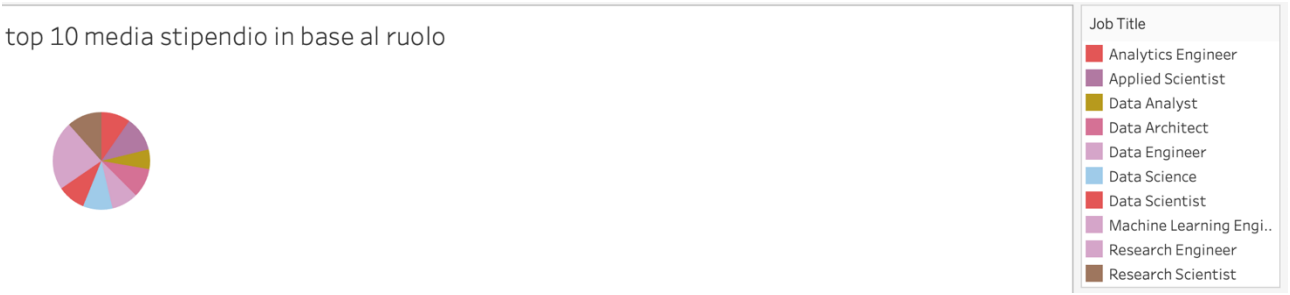

distribuzione dei salari
Conteggio di Salary In Usd
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0K
50K
100K
150K
200K
250K
300K
350K
400K
450K
500K
550K
600K
650K
700K
750K
800K



- Best average salary by job title

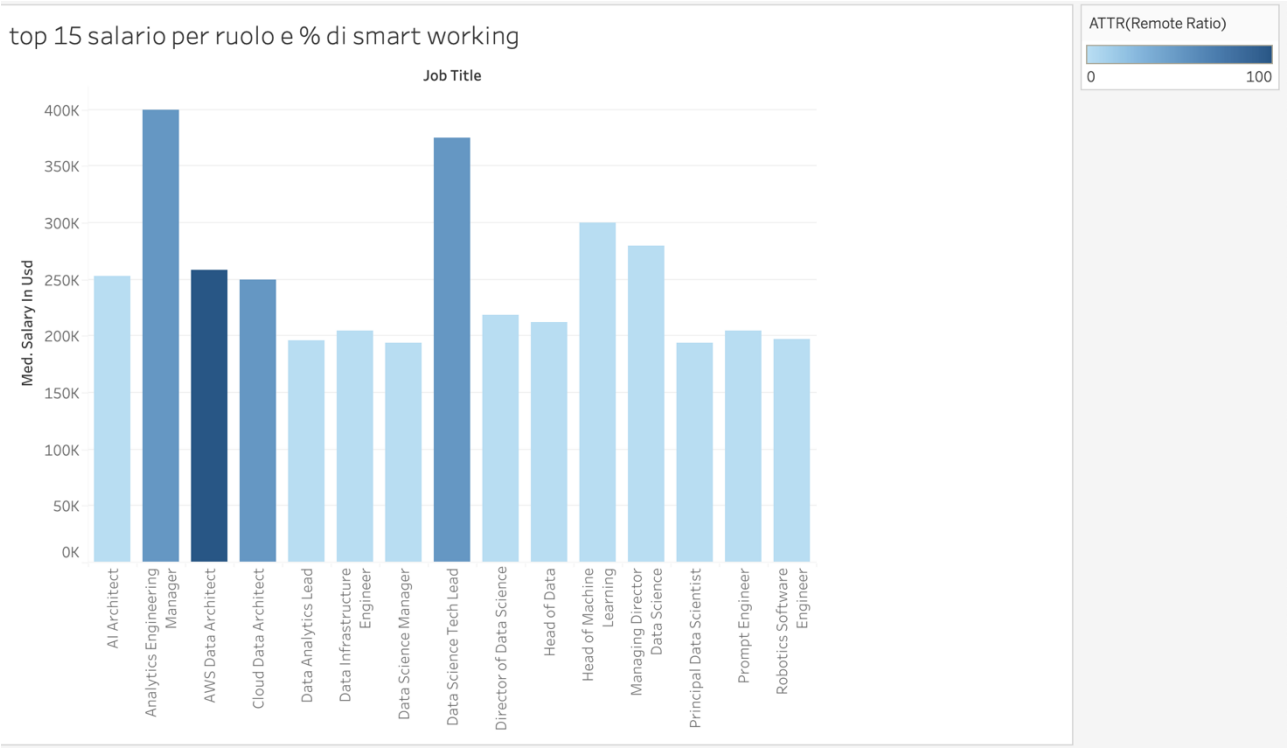






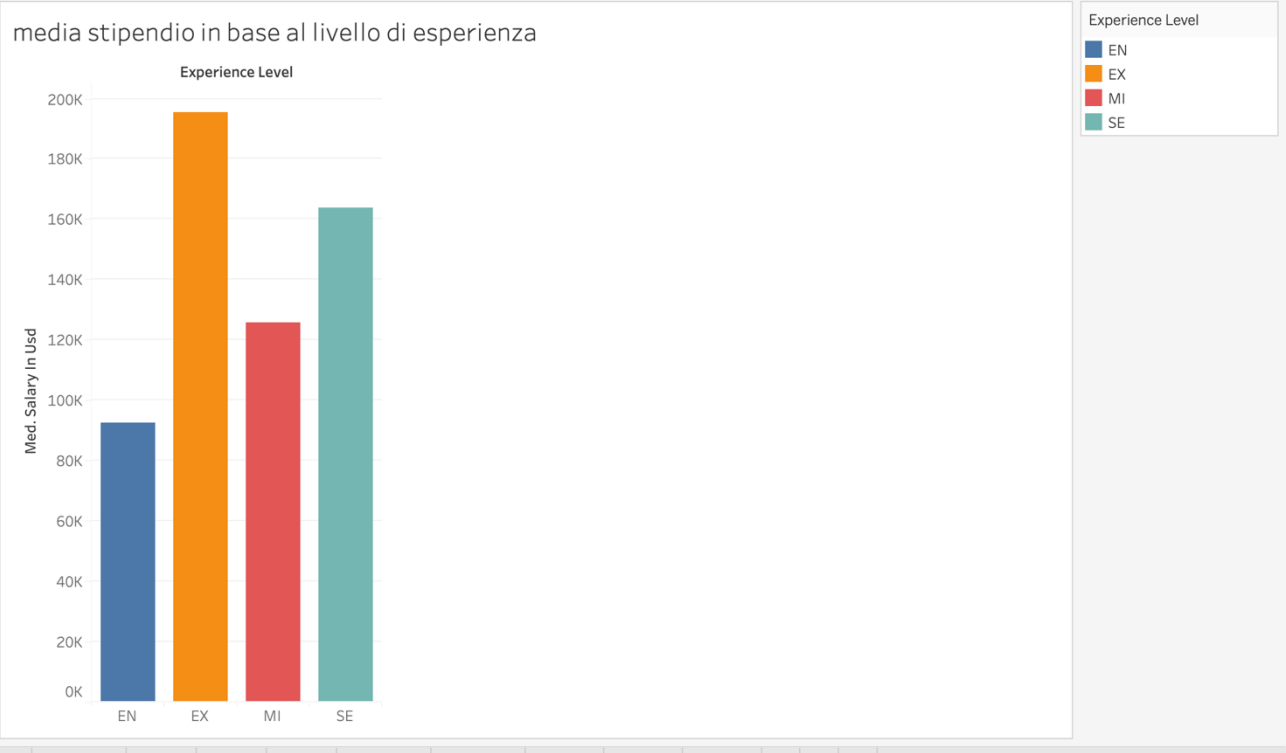
In the following image the same data with the % of smart working ratio represented with a blue color scale where :

- 0 means only work in presence
- 50 means both work in presence and smart working
- 100 means totally smart working



- Best average salary by company size and work experience

media stipendio in base al livello di esperienza

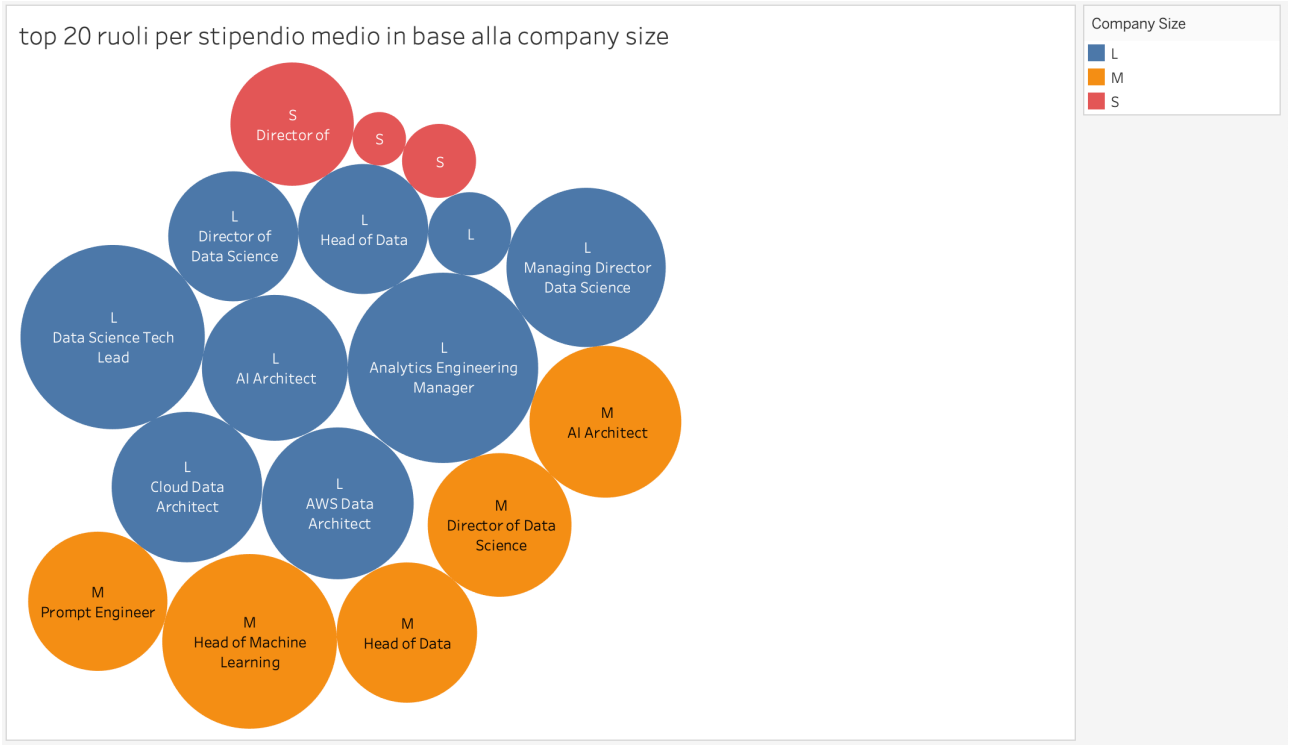


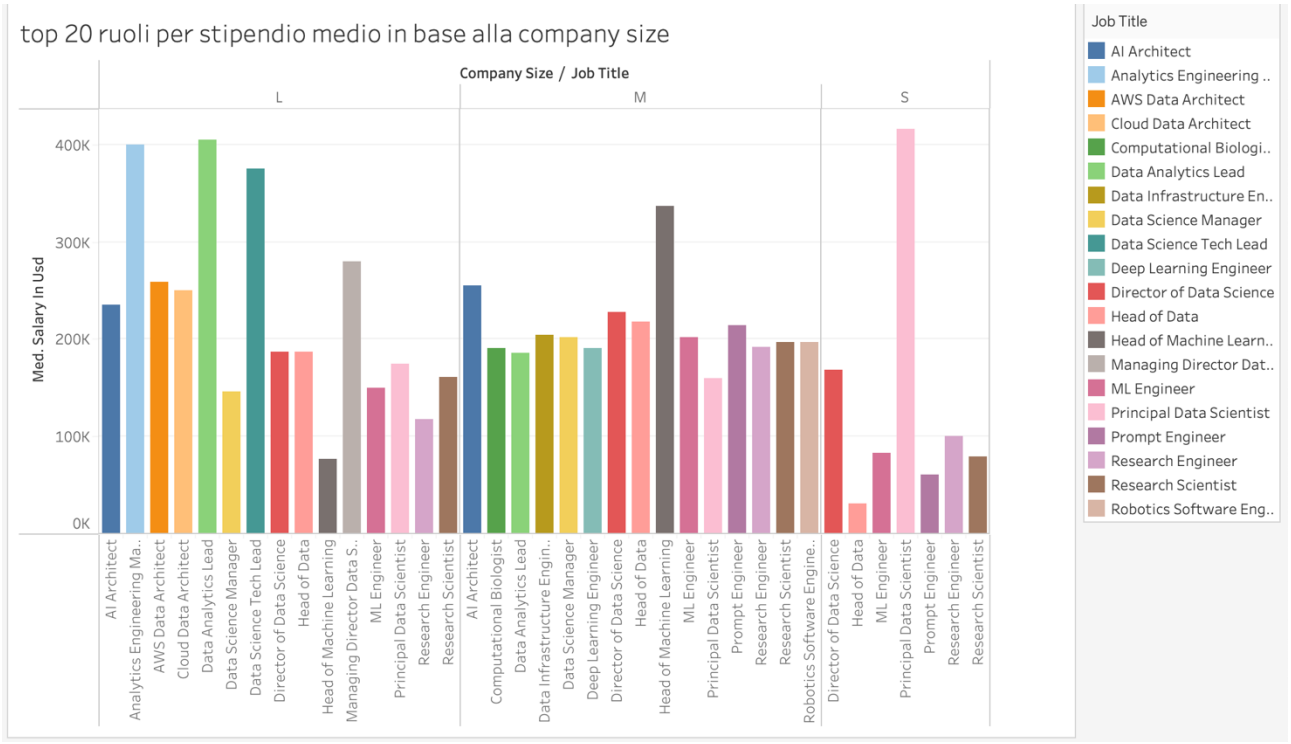
boxplot salari in base alla dimensione dell'azienda e all'esperienza

- Best average salary by job title and company size

top 20 ruoli per stipendio medio in base alla company size

	Company Size		
Job Title	L	M	S
AI Architect	234.979	254.579	
Analytics Engineering Ma..	399.880		
AWS Data Architect	258.000		
Cloud Data Architect	250.000		
Computational Biologist		190.384	
Data Analytics Lead	405.000	186.016	
Data Infrastructure Engin..		204.192	
Data Science Manager	146.322	202.207	
Data Science Tech Lead	375.000		
Deep Learning Engineer		190.808	
Director of Data Science	186.723	228.125	168.000
Head of Data	186.683	217.428	31.520
Head of Machine Learning	76.309	337.000	
Managing Director Data S..	280.000		
ML Engineer	149.109	201.930	82.421
Principal Data Scientist	174.562	159.174	416.000
Prompt Engineer		214.133	60.462
Research Engineer	118.090	192.049	99.803
Research Scientist	161.382	196.406	79.218
Robotics Software Engine..		196.625	


top 20 ruoli per stipendio medio in base alla company size
S
Director of
S
S
L
Director of
Data Science
L
Head of Data
L
L
Managing Director
Data Science
L
Data Science Tech
Lead
L
AI Architect
L
Analytics Engineering
Manager
M
AI Architect
L
Cloud Data
Architect
L
AWS Data
Architect
M
Director of Data
Science
M
Prompt Engineer
M
Head of Machine
Learning
M
Head of Data
Company Size
L
M
S


top 20 ruoli per stipendio medio in base alla company size
Company Size / Job Title
L
M
S
Med. Salary In Usd
400K
300K
200K
100K
0K
AI Architect
Analytics Engineering Ma..
AWS Data Architect
Cloud Data Architect
Data Analytics Lead
Data Science Manager
Data Science Tech Lead
Director of Data Science
Head of Data
Head of Machine Learning
Managing Director Data S..
ML Engineer
Principal Data Scientist
Research Engineer
Research Scientist
AI Architect
Computational Biologist
Data Analytics Lead
Data Infrastructure Engin..
Data Science Manager
Deep Learning Engineer
Director of Data Science
Head of Data
Head of Machine Learning
ML Engineer
Principal Data Scientist
Prompt Engineer
Research Engineer
Research Scientist
Robotics Software Engine..
Director of Data Science
Head of Data
ML Engineer
Principal Data Scientist
Prompt Engineer
Research Engineer
Research Scientist
Job Title
AI Architect
Analytics Engineering ..
AWS Data Architect
Cloud Data Architect
Computational Biologi..
Data Analytics Lead
Data Infrastructure En..
Data Science Manager
Data Science Tech Lead
Deep Learning Engineer
Director of Data Science
Head of Data
Head of Machine Learn..
Managing Director Dat..
ML Engineer
Principal Data Scientist
Prompt Engineer
Research Engineer
Research Scientist
Robotics Software Eng..

- Results :

- Salary depends a lot by job title
- S company has a lower salary then M & L companies which are very similar
- best salary are correlated to top jobs in a company
- some jobs title are only in M & L companies
- salary grows with experience
- most of data developers have a salary between 100K and 200K