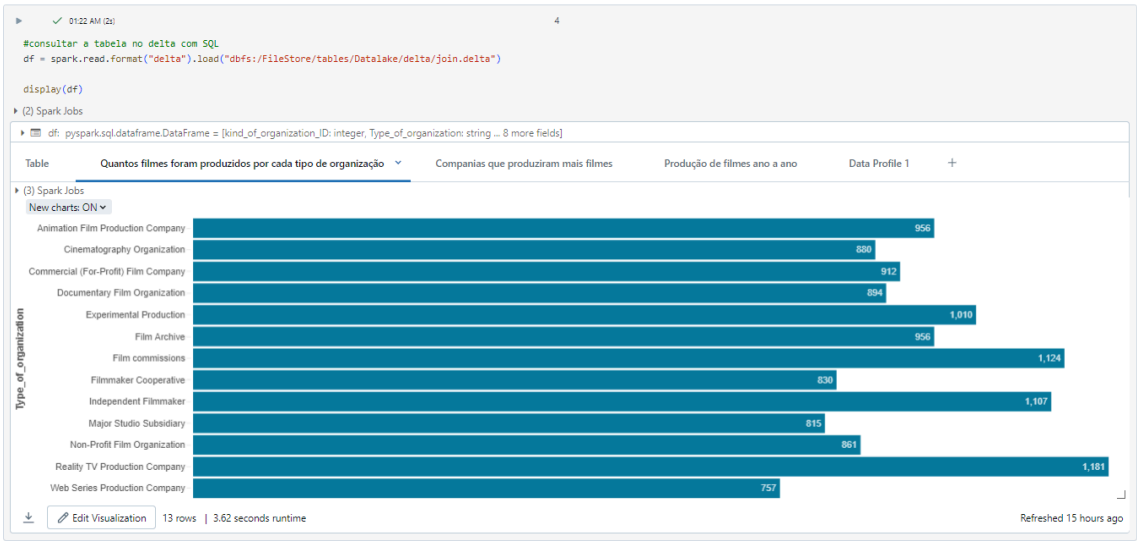
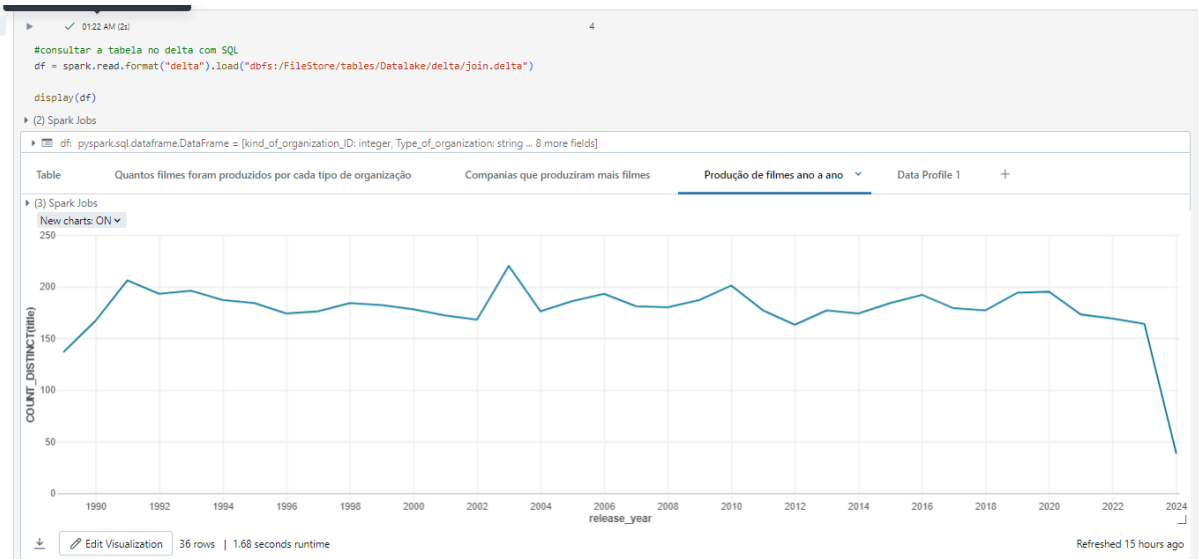


1- Quantidade de filmes que foram produzidos por tipo de organização



2- Quantidade de filmes produzidos na Europa desde 1989



3 - Filmes com maior médio de pagamento de bônus por colaborador

^A _C film_title	^{1.2} avg_bonus
Hensleybury's Like	2364.23769230769...
November 2022 in Zimbabwe	2362.47076923076...
From Congo with Wonder	2347.36428571428...
Eric Kelly: Beyond of Tarafort	2345.29714285714...
Every October in Jonesbury	2338.21833333333...
East Tiffany: Age of Azure	2300.62499999999...
XVIII: Dark Fate	2290.688888888889
Strategy: A West Stanley Story	2279.52714285714...
The Germany Conspiracy	2274.42833333333...
John and Monique	2273.635714285714

4- Funções mais frequentes em filmes

result: pyspark.sql.dataframe.DataFrame = [role_name: string, c

	^A _C role_name	^{1.2} count_employee
1	Actor	3636
2	Script Supervisor	2965
3	Associate Producer	2955
4	Asst. Production Coordinator	2952
5	Producer	2942
6	1st Assistant Director (1st AD)	2940
7	2nd AD	2939
8	Executive Producer	2934
9	Unit Production Manager (UP...	2928
10	Writer	2926

↓ 10 rows | 3.15 seconds runtime

5- Empresas com maior número de funcionários

result: pyspark.sql.dataframe.DataFrame = [company_name: :]

Table Visualization 1 +

	company_name	count_employee
1	Rapid Fire	1139
2	Good Kid, M.A.A.D City	1122
3	The Weight of These Wings	1120
4	A Night at the Opera	1113
5	Body Talk	1106
6	Blood on the Tracks	1089
7	Something/Anything?	1079
8	Ask Rufus	1073
9	Sweetheart of the Rodeo	1068
10	Jagged Little Pill	1068

10 rows | 4.20 seconds runtime

6- Filmes com maior pagamento de bonus

film_title	sum_bonus
The Howe Legacy	176014.41000000001
The Research Well	174096.60000000006
How to be a Engineer in India	170354.16000000006
2012: Infinity War	162129.24
Pamela and the Third Himself	161604.12000000008
Curtis, the XVIII	161419.98000000007
The Stuff of Save	160278.71999999999
From Bouvet Island (Bouvetoya) with...	159212.25
Kristen, the III	157968.24000000005
Behavior Loganmouth	156310.44000000006

7- Diferença entre pagamento de horas e bônus para funcionários homens e mulheres

Table ▾ +		
	gender	1.2 avg_bonus
1	F	1755.44041555981...
2	M	1749.204067277538

↓ 2 rows | 3.71 seconds runtime

03:24 AM (3s) 15

```
#consultar a tabela no delta com SQL
df2 = spark.read.format("delta").load("dbfs:/FileStore/tables/Datalake/delta/join2.delta")

# Create a temporary view to run SQL queries
df2.createOrReplaceTempView("df2_view")

# Execute the SQL query using spark.sql() - Consulta da media de pagamento por hora Homem x mulher
result = spark.sql("""
SELECT gender, AVG(hourly_rate) AS avg_hourly_rate
FROM df2_view
WHERE hourly_rate IS NOT NULL
GROUP BY gender
ORDER BY avg_hourly_rate DESC
LIMIT 10
""")

# Display the result
display(result)
```

▶ (2) Spark Jobs

- df2: pyspark.sql.dataframe.DataFrame = [crew_id: string, movie_code: string ... 12 more fields]
- result: pyspark.sql.dataframe.DataFrame = [gender: string, avg_hourly_rate: double]

Table ▾ +		
	gender	1.2 avg_hourly_rate
1	M	35.03113116714498
2	F	35.03036518469778

8- Departamentos com maior média salarial para equipe de gestão

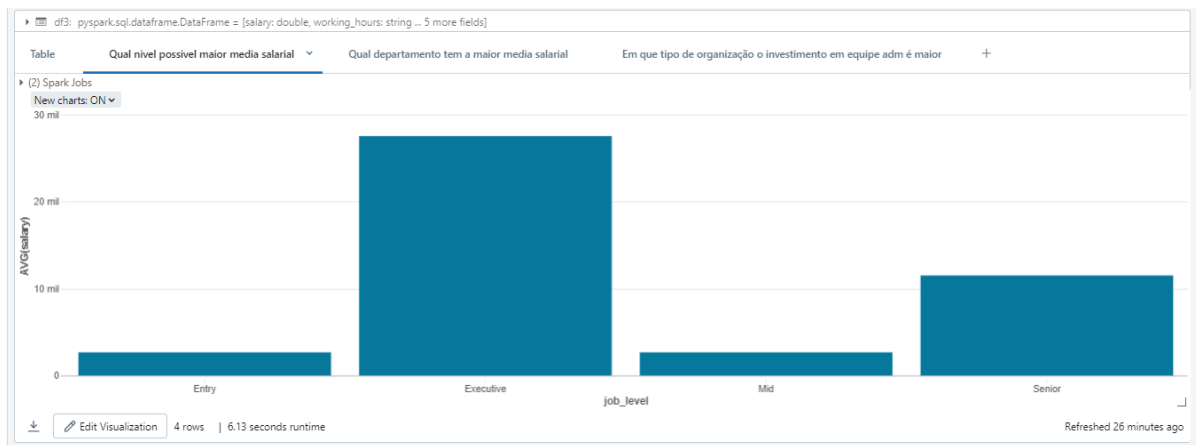
A ^B C department	1.2 avg_staff_salary
Executive Management	27538.644647551362
Corporate Philanthropy	5740.236186073542
Production Development	5736.260708946205
Public Relations	5706.15420155934
Marketing	5667.6483963283135
Information Technology	5667.405928873172
Facilities Management	5659.907182183033
Research & Developme...	5630.274024254764
Procurement	5615.8524735121455
Business Affairs	5603.660671926883

9 - Tipos de organização que mais gastam com equipe de gestão

	A ^B C kind_of_organization	1.2 sum_staff_salary
1	Reality TV Production Company	29176235260.324123
2	Film commissions	25743736994.400757
3	Independent Filmmaker	25743736994.400757
4	Experimental Production	23455404817.115513
5	Animation Film Production Company	22883321772.798027
6	Commercial (For-Profit) Film Company	22311238728.47956
7	Film Archive	21739155684.158142
8	Filmmaker Cooperative	21167072639.840107
9	Documentary Film Organization	20594989595.52337
10	Cinematography Organization	20022906551.203396

↓ 10 rows | 7.63 seconds runtime

10 - Salário médio por nível organizacional



11- Tipos que organização que mais investem em equipe de gestão

