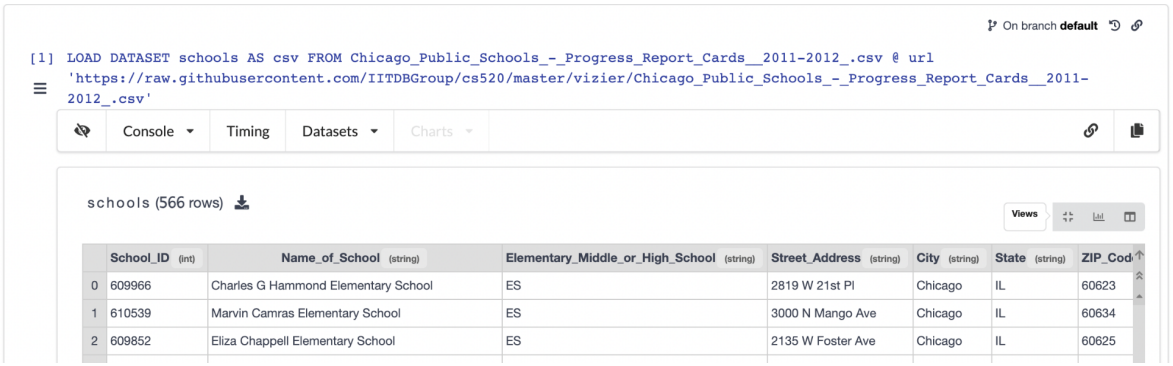
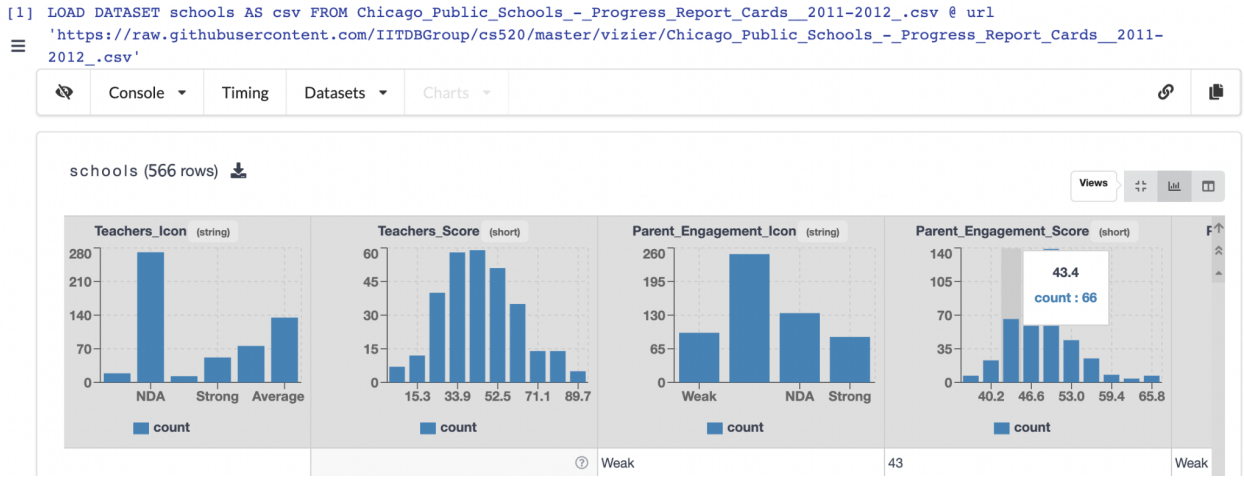
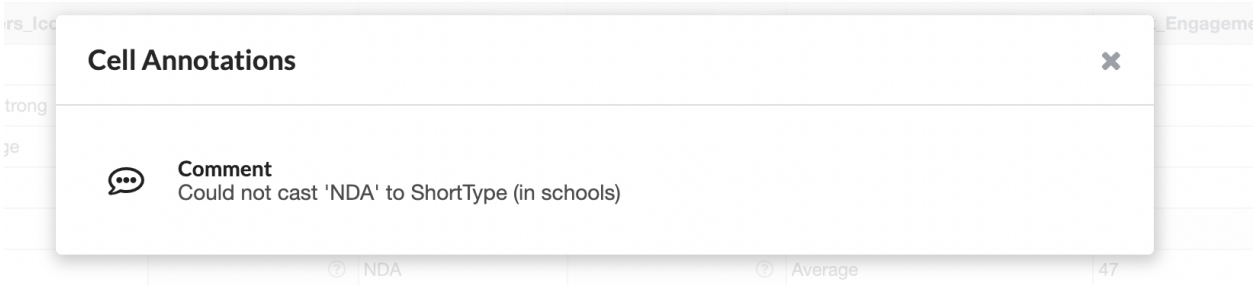
Task1:



Task2:



Task3:



Task4:

[2]

```
SELECT
    Teachers_Score,
    Community_Area_Name
FROM
    schools
```

Console | Timing | Datasets | Charts

score_and_community (566 rows)

Views

	Teachers_Score (short)	Community_Area_Name (string)
0		SOUTH LAWNDALE
1	88	BELMONT CRAGIN
2	48	LINCOLN SQUARE
3		HUMBOLDT PARK
4		WEST ENGLEWOOD
5		BELMONT CRAGIN
6	63	CHATHAM
7		SOUTH CHICAGO

Task5:

[3]

```
SELECT
    Community_Area_Name,
    AVG(Teachers_Score) AS Average_Teachers_Score
FROM
    score_and_community
GROUP BY
    Community_Area_Name
ORDER BY
    Average_Teachers_Score DESC;
```

Console | Timing | Datasets | Charts

community_teacher_scores (77 rows)

Views

	Community_Area_Name (string)	Average_Teachers_Score (real)
0	EDISON PARK	71.5
1	WEST LAWN	69
2	LAKE VIEW	66
3	WEST TOWN	64.66666666666667
4	CLEARING	63.25
5	AVONDALE	63
6	EDGEWATER	62.5
7	PORTAGE PARK	61.5

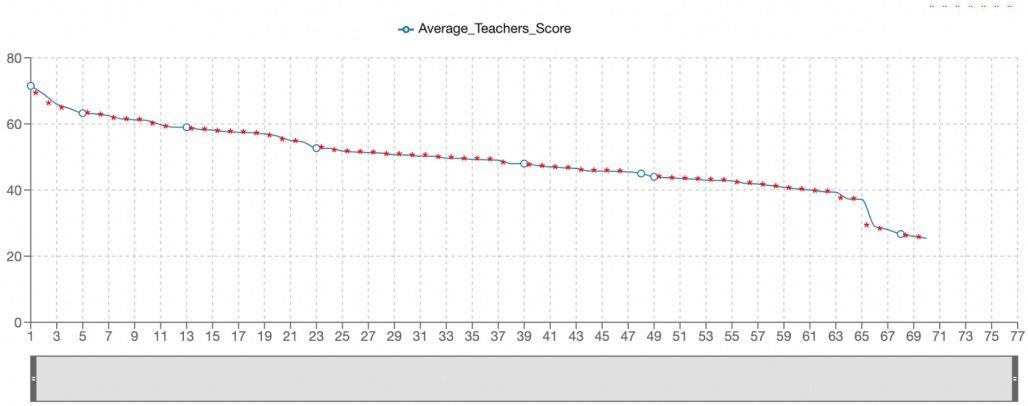
Task6:

```
[4]  CREATE Line Chart with Points null FOR "community_teacher_scores"
```

Console | Timing | Datasets | Charts

community_teacher_scores_Visualized

Charts: Line Chart with Points



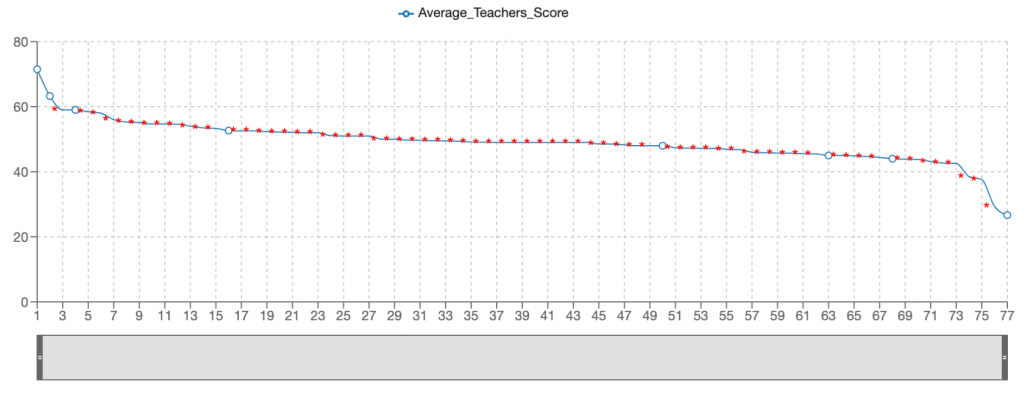
Task 7:

```
[5]  CREATE Line Chart with Points null FOR "community_teacher_scores"
```

Console | Timing | Datasets | Charts

community_teacher_scores_Visualized

Charts: Line Chart with Points



Task 8:

[6]

```
ds = vizierdb.get_dataset("community_teacher_scores")

def print_avg_teachers(ds):
    for row in ds.rows:
        print(row.get_value("avg_teacher_score"))

vizierdb.export_module(print_avg_teachers)
```

Console | Timing | Datasets | Charts

[7]

```
vizierdb.get_module("print_avg_teachers")

ds = vizierdb.get_dataset("community_teacher_scores")

print_avg_teachers(ds)
```

Console | Timing | Datasets | Charts

```
71.5
63.25
59
59
58.4
58
```

Task 9:

[8]

```
ds = vizierdb.get_data_frame("community_teacher_scores")

filtered_ds = ds[ds['avg_teacher_score'] >= 30.0]

print(filtered_ds)
```

Console | Timing | Datasets | Charts

```
Community_Area_Name  avg_teacher_score
0          EDISON PARK          71.500000
1             CLEARING          63.250000
2            WEST LAWN          59.000000
3            HEGEWISCH          59.000000
4            WEST TOWN          58.400000
..                 ...                ...
70           WOODLAWN          43.125000
```