

Alteryx Final Lab

1-a-i.

Alteryx Designer x64 - 1-a-lyxmd

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Favorites Recommended In/Out Preparation Join Parse Transform In-Database Reporting Documentation Spatial Machine Learning Text Mining Computer Vision Interface Data

Browse (8) - Configuration

16 records displayed, 2 fields, 527 bytes

Profile

16 records displayed, 2 fields, 527 bytes

teamID

ANA 1

BAL 1

BOS 1

CHA 1

CLE 1

11 more >

Avg_Wins

68.7916 1

71.4166 1

73.125 1

77.4583 1

77.9166 1

11 more >

Results - Browse (8) - Input

2 of 2 Fields Cell Viewer 16 records displayed, 527 bytes

Record	teamID	Avg_Wins
8	ANA	85
9	TEX	77.458333
10	CLE	81.416667
11	KCA	68.791667
12	HOU	83.818182
13	TBA	78.291667
14	LAA	81.368421
15	NYA	91.333333
16	DET	73.125

1-a-ii.

Alteryx Designer x64 - 1-a-ii-lyxmd

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Browse (6) - Configuration

1 record displayed, 5 fields, 615 bytes

Profile

1 record displayed, 5 fields, 615 bytes

teamID

NYA 1

DivWin

12 1

WCWin

7 1

LgWin

4 1

WSWin

2 1

Results - Browse (6) - Input

5 of 5 Fields Cell Viewer 1 record displayed, 615 bytes

Record	teamID	DivWin	WCWin	LgWin	WSWin
1	NYA	12	7	4	2

1-a-iii.

Workflow Configuration:

- Input: Teams.xlsx (Query='Sheet1\$')
- Filter: [yearID] >= 2000
- Select: [teamID] = "NYA"
- Rank: [Rank] <= 5
- Output: Alteryx_Final_Lab.xlsx (Query='1-a-iii')

Results - Browse (5) - Input:

Record	teamID	Rank	Count
1	NYA	1	12
2	NYA	3	1
3	NYA	4	3
4	NYA	2	8

2-a.

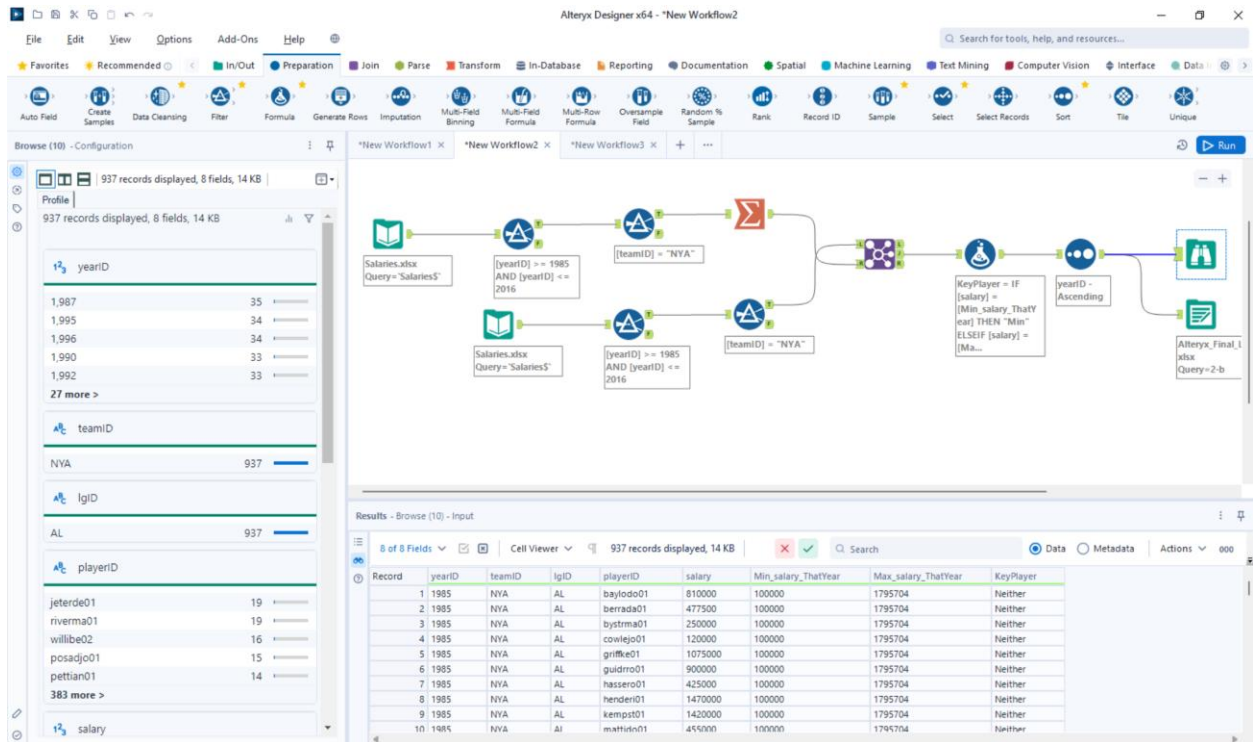
Workflow Configuration:

- Input: Salaries.xlsx (Query='Salaries\$')
- Filter: [yearID] >= 1985 AND [yearID] <= 2016
- Select: [teamID] = "NYA"
- Sort: yearID - Ascending
- Output: Alteryx_Final_Lab.xlsx (Query='2-a')

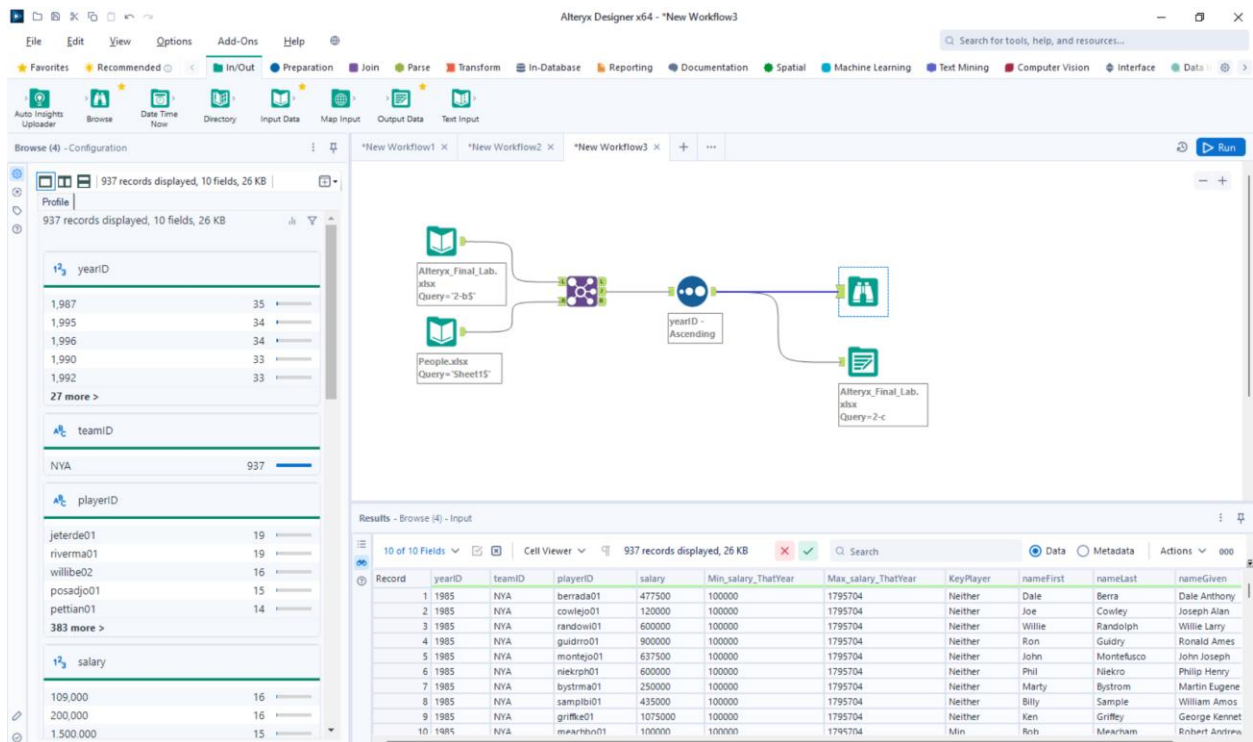
Results - Browse (4) - Input:

Record	yearID	teamID	Min_salary	Max_salary
1	1985	NYA	100000	1795704
2	1986	NYA	60000	1886714
3	1987	NYA	62500	1975000
4	1988	NYA	67000	2000000
5	1989	NYA	68000	2200000
6	1990	NYA	100000	2500000
7	1991	NYA	100000	3420000
8	1992	NYA	109000	5300000
9	1993	NYA	0	5050000
10	1994	NYA	109000	11100000

2-b.



2-c.



2-d.

The screenshot shows the Alteryx Designer interface for 'New Workflow4'. The workflow consists of the following steps:

- Input:** Two Excel files are loaded: 'Alteryx_Final_Lab.xlsx' (Query='2-b5') and 'People.xlsx' (Query='Sheet15').
- Join:** The two inputs are joined using a 'Join' tool.
- Filter:** A 'Filter' tool is used with the following criteria:
 - [KeyPlayer] = "Min" OR [KeyPlayer] = "Max"
- Output:** The filtered data is output to 'Alteryx_Final_Lab.xlsx' (Query='2-d').

The left sidebar shows the 'Browse (17) - Configuration' panel with the following fields and their counts:

- yearID: 7
- teamID: 98
- playerID: 98
- rodial01: 9
- mattido01: 5
- willibe02: 4
- betande01: 3
- jeterde01: 3
- salary: 14

The bottom panel shows the 'Results - Browse (17) - Input' table with 10 of 10 fields displayed. The table contains 98 records with columns: Record, yearID, teamID, playerID, salary, Min_salary_ThatYear, Max_salary_ThatYear, KeyPlayer, nameFirst, nameLast, and nameGiven.

2-e.

The screenshot shows the Alteryx Designer interface for 'New Workflow5'. The workflow consists of the following steps:

- Input:** Two Excel files are loaded: 'Alteryx_Final_Lab.xlsx' (Query='2-b5') and 'People.xlsx' (Query='Sheet15').
- Join:** The two inputs are joined using a 'Join' tool.
- Filter:** A 'Filter' tool is used with the following criteria:
 - [KeyPlayer] = "Min" OR [KeyPlayer] = "Max"
- Sort:** A 'Sort' tool is used to sort the data by 'yearID - Ascending'.
- Output:** The sorted data is output to 'Alteryx_Final_Lab.xlsx' (Query='2-e').

The left sidebar shows the 'Browse (4) - Configuration' panel with the following fields and their counts:

- yearID: 7
- teamID: 98
- playerID: 98
- rodial01: 9
- mattido01: 5
- willibe02: 4
- betande01: 3
- jeterde01: 3
- salary: 14

The bottom panel shows the 'Results - Browse (4) - Input' table with 10 of 10 fields displayed. The table contains 98 records with columns: Record, yearID, teamID, playerID, salary, Min_salary_ThatYear, Max_salary_ThatYear, KeyPlayer, nameFirst, nameLast, and nameGiven.

2-f.

Alteryx Designer x64 - *New Workflow6

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Search for tools, help, and resources...

Auto Field Create Samples Data Cleansing Filter Formula Generate Rows Imputation Multi-Field Binning Multi-Field Formula Multi-Row Formula Oversample Field Random % Sample Rank Record ID Sample Select Select Records Sort Tile Unique

Browse (4) - Configuration

98 records displayed, 8 fields, 4,004 bytes

Profile

98 records displayed, 8 fields, 4,004 bytes

yearID

1,989 7

1,995 6

1,992 5

1,996 5

1,998 5

27 more >

Team

NYA 98

Player_Salary

109,000 14

200,000 10

68,000 6

100,000 4

170,000 4

50 more >

Min_salary_ThatYear

109,000 18

200,000 13

68,000 7

Workflow Diagram:

Alteryx_Final_Lab.xlsx Query="2-b5"

People.xlsx Query="Sheet15"

[Key(PLAYER)] = "Min" OR [Key(PLAYER)] = "Max"

yearID - Ascending

Alteryx_Final_Lab.xlsx Query="2-f"

Results - Browse (4) - Input

8 of 8 Fields Cell Viewer 98 records displayed, 4,004 bytes

Record	yearID	Team	Player_Salary	Min_salary_ThatYear	Max_salary_ThatYear	nameFirst	nameLast	nameGiven
1	1985	NYA	100000	100000	1795704	Bob	Meacham	Robert Andrew
2	1985	NYA	1795704	100000	1795704	Dave	Winfield	David Mark
3	1986	NYA	60000	60000	1886714	Tommy	John	Thomas Edward
4	1986	NYA	60000	60000	1886714	Doug	Drabek	Douglas Dean
5	1986	NYA	1886714	60000	1886714	Dave	Winfield	David Mark
6	1987	NYA	62500	62500	1975000	Randy	Velarde	Randy Lee
7	1987	NYA	62500	62500	1975000	Al	Pedrique	Alfredo Jose
8	1987	NYA	1975000	62500	1975000	Don	Mattingly	Donald Arthur
9	1987	NYA	62500	62500	1975000	Keith	Hughes	Keith Willis
10	1988	NYA	67000	67000	2000000	Ian	Ruhner	Ian Carmichael

3-a.

Alteryx Designer x64 - *New Workflow1

File Edit View Options Add-Ons Help

Search for tools, help, and resources...

Auto Field Create Samples Data Cleansing Filter Formula Generate Rows Imputation Multi-Field Binning Multi-Field Formula Multi-Row Formula Oversample Field Random % Sample Rank Record ID Sample Select Select Records Sort Tile Unique

Browse (5) - Configuration

3 records displayed, 2 fields, 402 bytes

Profile

3 records displayed, 2 fields, 402 bytes

parkkey

NYC16 1

NYC17 1

NYC21 1

Avg_attendance

873,089.6666 1

2,521,000.8285 1

3,282,865.4285 1

Workflow Diagram:

HomeGames.xlsx Query="Sheet15"

[teamkey] = "NYA" AND [yearkey] >= 1989 AND [yearkey] <= 2023

[yearkey] NOT IN (1981, 1994, 1995, 2020)

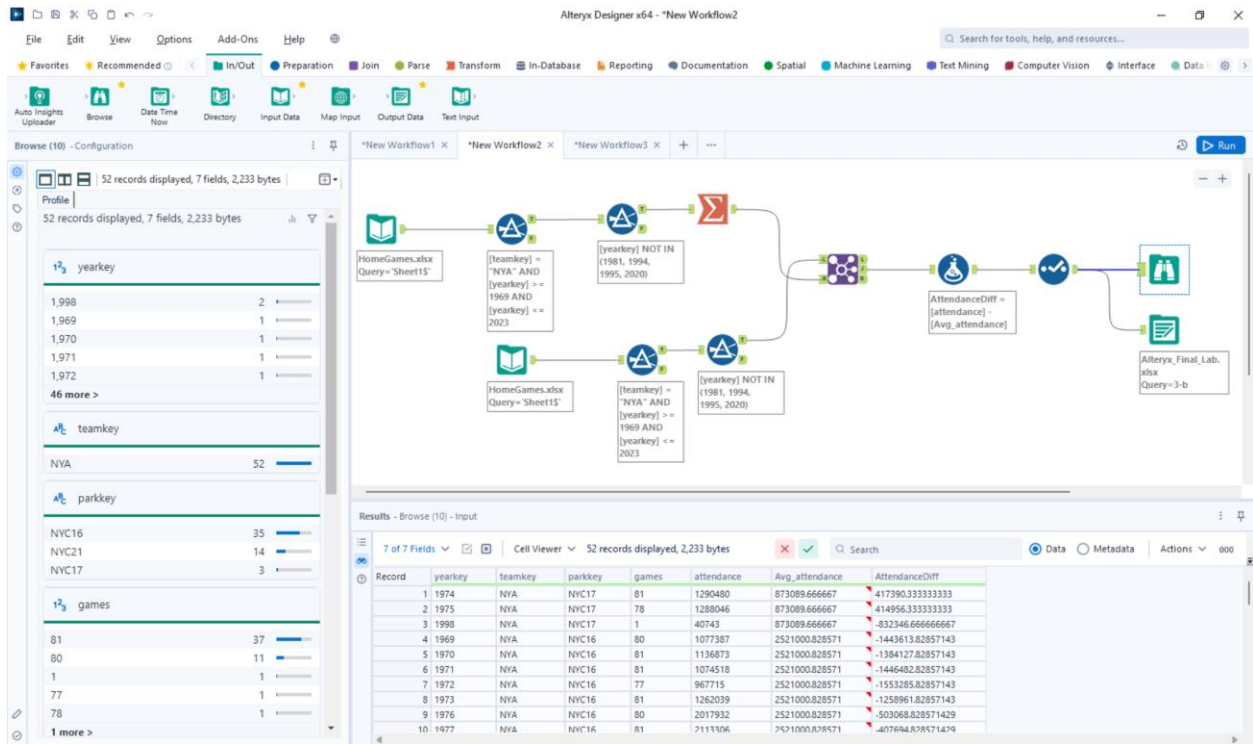
Alteryx_Final_Lab.xlsx Query="3-a"

Results - Browse (5) - Input

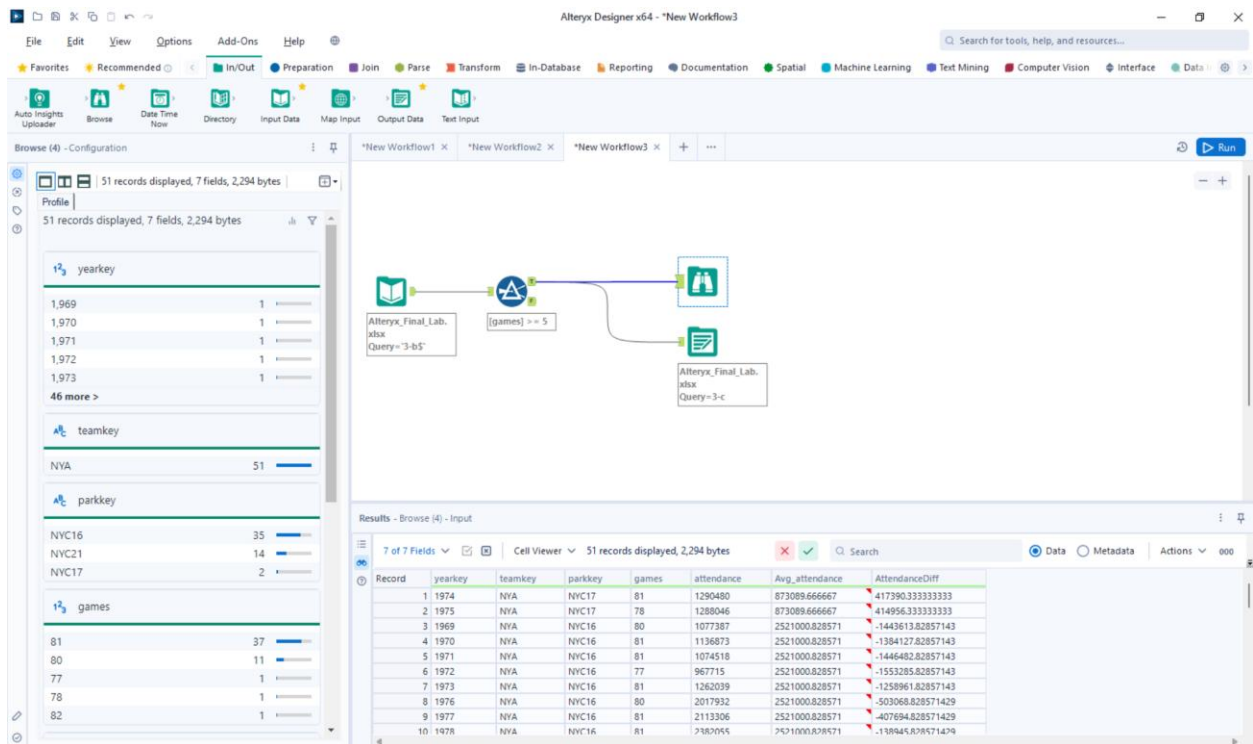
2 of 2 Fields Cell Viewer 3 records displayed, 402 bytes

Record	parkkey	Avg_attendance
1	NYC17	873089.66667
2	NYC16	2521000.828571
3	NYC21	3282865.428571

3-b.



3-c.



3-d.

Alteryx Designer x64 - *New Workflow4

File Edit View Options Add-Ons Help

Search for tools, help, and resources...

Auto Insights Uploader Browse Date Time Now Directory Input Data Map Input Output Data Text Input

Browse (4) - Configuration

Profile

51 records displayed, 10 fields, 2,716 bytes

yearkey

1,969 1

1,970 1

1,971 1

1,972 1

1,973 1

46 more >

teamkey

NYA 51

parkkey

NVC16 35

NVC21 14

NVC17 2

games

81 37

80 11

77 1

78 1

82 1

Results - Browse (4) - Input

10 of 10 Fields Cell Viewer 51 records displayed, 2,716 bytes

Record	yearkey	teamkey	parkkey	games	attendance	Avg_attendance	AttendanceDiff	parkname	city	state
1	1974	NYA	NVC17	81	1290480	873089.666667	417390.333333333	Shea Stadium	New York	NY
2	1975	NYA	NVC17	78	1288046	873089.666667	414956.333333333	Shea Stadium	New York	NY
3	1969	NYA	NVC16	80	1077387	2521000.828571	-1443613.82857143	Yankee Stadium I	New York	NY
4	1970	NYA	NVC16	81	1136873	2521000.828571	-1384127.82857143	Yankee Stadium I	New York	NY
5	1971	NYA	NVC16	81	1074518	2521000.828571	-1446482.82857143	Yankee Stadium I	New York	NY
6	1972	NYA	NVC16	77	967715	2521000.828571	-1553285.82857143	Yankee Stadium I	New York	NY
7	1973	NYA	NVC16	81	1262039	2521000.828571	-1258961.82857143	Yankee Stadium I	New York	NY
8	1976	NYA	NVC16	80	2017932	2521000.828571	-503068.828571429	Yankee Stadium I	New York	NY
9	1977	NYA	NVC16	81	2113306	2521000.828571	-407694.828571429	Yankee Stadium I	New York	NY
10	1478	NYA	NVC16	81	7182095	7431000.828571	-118945.828571429	Yankee Stadium I	New York	NY

3-e.

Alteryx Designer x64 - *New Workflow5

File Edit View Options Add-Ons Help

Search for tools, help, and resources...

Auto Insights Uploader Browse Date Time Now Directory Input Data Map Input Output Data Text Input

Browse (5) - Configuration

Profile

51 records displayed, 10 fields, 2,717 bytes

yearkey

1,969 1

1,970 1

1,971 1

1,972 1

1,973 1

46 more >

teamkey

NYA 51

parkkey

NVC16 35

NVC21 14

NVC17 2

games

81 37

80 11

77 1

78 1

82 1

Results - Browse (5) - Input

10 of 10 Fields Cell Viewer 51 records displayed, 2,717 bytes

Record	yearkey	teamkey	parkkey	games	attendance	Avg_attendance	AttendanceDiff	parkname	city	state
1	1969	NYA	NVC16	80	1077387	2521000.828571	-1443613.82857143	Yankee Stadium I	New York	NY
2	1970	NYA	NVC16	81	1136873	2521000.828571	-1384127.82857143	Yankee Stadium I	New York	NY
3	1971	NYA	NVC16	81	1074518	2521000.828571	-1446482.82857143	Yankee Stadium I	New York	NY
4	1972	NYA	NVC16	77	967715	2521000.828571	-1553285.82857143	Yankee Stadium I	New York	NY
5	1973	NYA	NVC16	81	1262039	2521000.828571	-1258961.82857143	Yankee Stadium I	New York	NY
6	1974	NYA	NVC17	81	1290480	873089.666667	417390.333333333	Shea Stadium	New York	NY
7	1975	NYA	NVC17	78	1288046	873089.666667	414956.333333333	Shea Stadium	New York	NY
8	1976	NYA	NVC16	80	2017932	2521000.828571	-503068.828571429	Yankee Stadium I	New York	NY
9	1977	NYA	NVC16	81	2113306	2521000.828571	-407694.828571429	Yankee Stadium I	New York	NY
10	1478	NYA	NVC16	81	7182095	7431000.828571	-118945.828571429	Yankee Stadium I	New York	NY