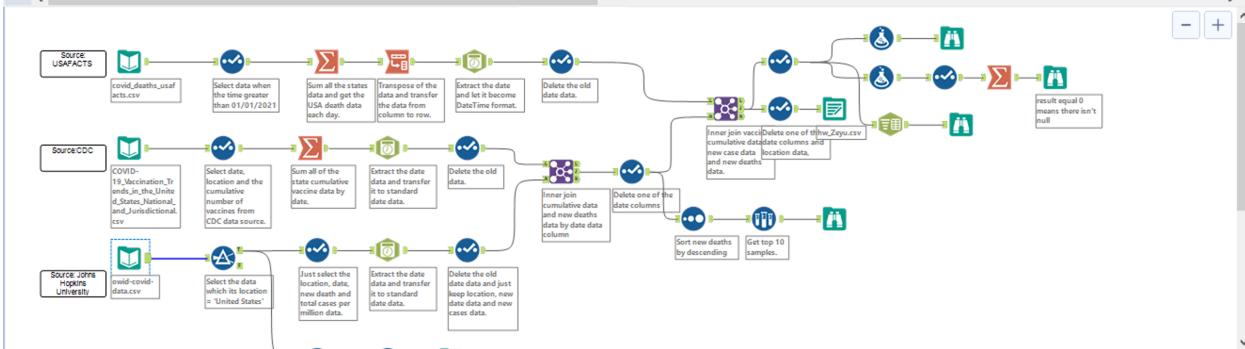


Results - Input Data (10) - Output

Cell Viewer * 7,638 of 35,137 records displayed(partial results)

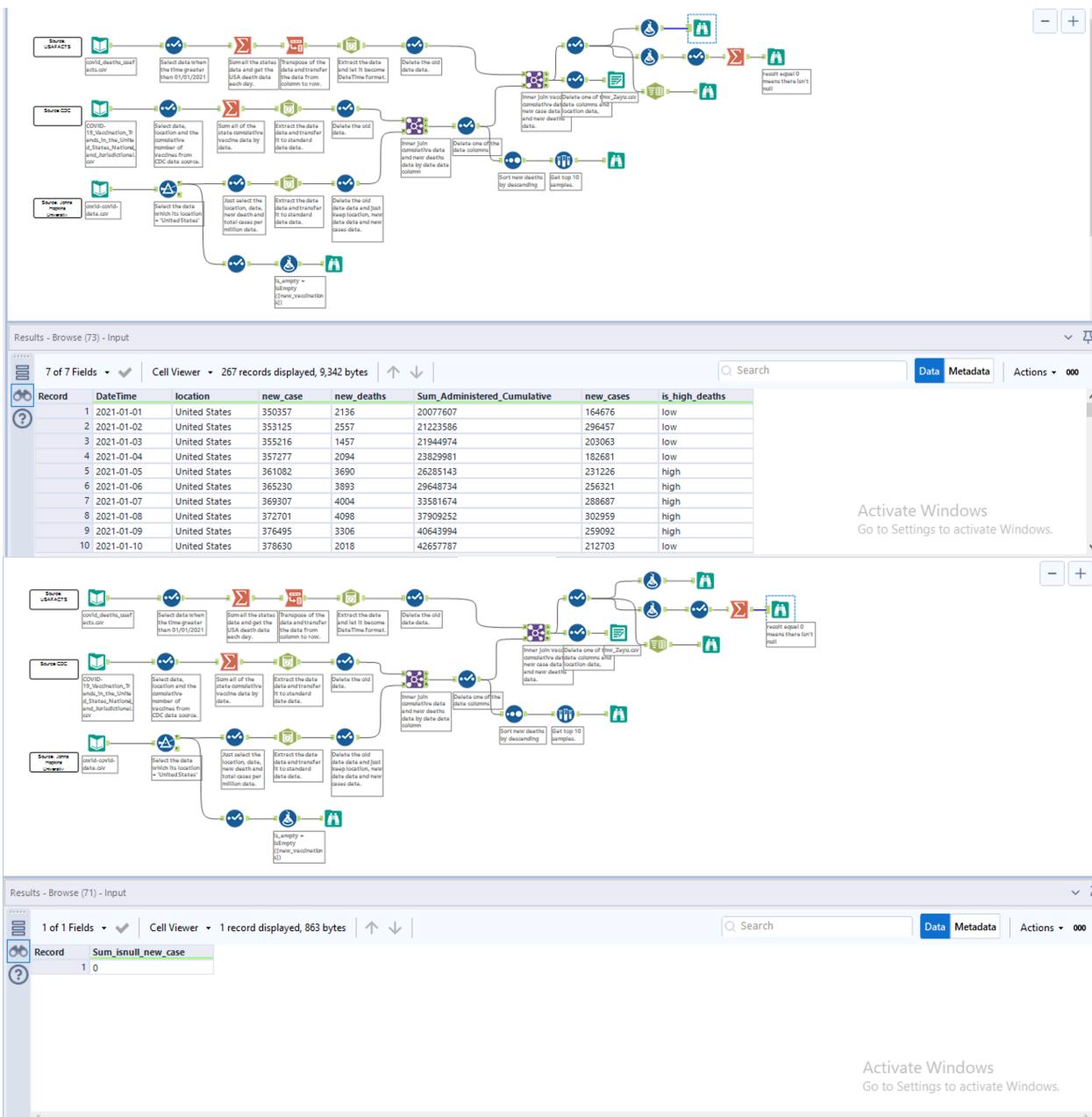
Record	Date	MMWR_week	Location	Administered_Daily	Administered_Cumulative	Administered_7_Day_Rolling_Average	Admin_Dose_1_Daily	Admin_Dose_1_Cumulative	Adm
1	09/26/2021	39	CO	0	7131814	7995	0	3786904	2628
2	09/26/2021	39	AK	0	775975	334	0	420500	138
3	09/26/2021	39	RP	0	30996	63	0	17528	9
4	09/26/2021	39	MH	0	40209	21	0	22520	12
5	09/26/2021	39	NC	0	11173359	15354	0	6256701	6906
6	09/26/2021	39	PA	35691	16095869	28076	21684	9229993	1445
7	09/26/2021	39	LTC	0	7962878	410	0	4715208	316
8	09/26/2021	39	CO	20099	7131814	11438	5355	3786904	3999
9	09/26/2021	39	WA	0	9497192	6940	0	5085282	2778
10	09/26/2021	39	WY	0	513663	445	0	282751	204



Results - Input Data (3) - Output

Cell Viewer * 64 of 64 Fields displayed(partial results)

Record	iso_code	continent	location	date	total_cases	new_cases	new_cases_smoothed	total_deaths	new_deaths	new_deaths_smoothed	total_cases_per_million
1	AFG	Asia	Afghanistan	2020-02-24	5.0	5.0	[Null]	[Null]	[Null]	[Null]	0.126
2	AFG	Asia	Afghanistan	2020-02-25	5.0	0.0	[Null]	[Null]	[Null]	[Null]	0.126
3	AFG	Asia	Afghanistan	2020-02-26	5.0	0.0	[Null]	[Null]	[Null]	[Null]	0.126
4	AFG	Asia	Afghanistan	2020-02-27	5.0	0.0	[Null]	[Null]	[Null]	[Null]	0.126
5	AFG	Asia	Afghanistan	2020-02-28	5.0	0.0	[Null]	[Null]	[Null]	[Null]	0.126
6	AFG	Asia	Afghanistan	2020-02-29	5.0	0.0	0.714	[Null]	[Null]	[Null]	0.126
7	AFG	Asia	Afghanistan	2020-03-01	5.0	0.0	0.714	[Null]	[Null]	[Null]	0.126
8	AFG	Asia	Afghanistan	2020-03-02	5.0	0.0	0.0	[Null]	[Null]	[Null]	0.126
9	AFG	Asia	Afghanistan	2020-03-03	5.0	0.0	0.0	[Null]	[Null]	[Null]	0.126
10	AFG	Asia	Afghanistan	2020-03-04	5.0	0.0	0.0	[Null]	[Null]	[Null]	0.126



Data Flow 1: New Deaths

Source USAFacts: covid_deaths_usafacts.csv
 Source CDC: COVID-19_vaccination_Tracks_in_the_United_States_National_and_Autonomous.csv
 Source Jony: pnas-covid-data.csv

Calculated Column: `new_deaths = IF([new_deaths] > 3000, 'high', 'low')`

Results - Browse (80) - Input

Record	DateTime	location	new_case	new_deaths	Sum_Administered_Cumulative	new_cases	location1	location2
1	2021-01-01	United States	350357	2136	2007607	164676	United	States
2	2021-01-02	United States	353125	2557	21223586	296457	United	States
3	2021-01-03	United States	355216	1457	21944974	203063	United	States
4	2021-01-04	United States	357277	2094	23829981	182681	United	States
5	2021-01-05	United States	361082	3690	26285143	231226	United	States
6	2021-01-06	United States	365230	3893	29646734	256321	United	States
7	2021-01-07	United States	369307	4004	33581674	288687	United	States
8	2021-01-08	United States	372701	4098	37909252	302959	United	States
9	2021-01-09	United States	376495	3306	40642994	259092	United	States
10	2021-01-10	United States	378630	2018	42657787	212703	United	States

Activate Windows
Go to Settings to activate Windows.

Data Flow 2: Vaccinations

Source USAFacts: covid_deaths_usafacts.csv
 Source CDC: COVID-19_vaccination_Tracks_in_the_United_States_National_and_Autonomous.csv
 Source Jony: pnas-covid-data.csv

Calculated Column: `new_vaccinations = IF([new_vaccinations] > 1000000000, 'high', 'low')`

Results - Browse (78) - Input

Record	new_vaccinations	is_empty
1	[NULL]	-1
2	[NULL]	-1
3	[NULL]	-1
4	[NULL]	-1
5	[NULL]	-1
6	[NULL]	-1
7	[NULL]	-1
8	[NULL]	-1
9	[NULL]	-1
10	[NULL]	-1

Activate Windows
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Output Column Data Preview

```
isnull_new_case 0
fk_IsNull([new_case])
X
C
F
```

Data type: V_WString Size: 1073741823

This data flow diagram processes COVID-19 case data from various sources. It includes steps for selecting specific data, summing values, extracting dates, and calculating cumulative totals. A final step uses an inner join to calculate new deaths based on case data.

Record	DateTime	location	new_case	new_deaths	Sum_Administered_Cumulative	new_cases	isnull_new_case
1	2021-01-01	United States	350537	2136	20077607	164676	0
2	2021-01-02	United States	353125	2557	21223586	296457	0
3	2021-01-03	United States	355216	1457	21944974	203063	0
4	2021-01-04	United States	357277	2094	23829981	182681	0

Output Column Data Preview

```
is_empty -1
IsEmpty([new_vaccinations])
X
C
F
```

Data type: V_WString Size: 1073741823

This data flow diagram processes COVID-19 vaccination data. It includes steps for selecting specific data, summing values, extracting dates, and calculating cumulative totals. A final step uses an inner join to calculate new deaths based on vaccination data.

Record	new_vaccinations	is_empty
1	[Null]	-1
2	[Null]	-1
3	[Null]	-1
4	[Null]	-1
5	[Null]	-1
6	[Null]	-1
7	[Null]	-1
8	[Null]	-1
9	[Null]	-1
10	[Null]	-1

Activate Windows
Go to Settings to activate Windows.

Date Time (56) - Configuration

Select the format to convert
 Date/Time format to string
 String to Date/Time format

Select the string field to convert
Name
Specify the new column name
DateTime
Specify your Date/Time Language
English

Select the format that matches the incoming string field
MM/dd/yyyy hh:mm:ss
dd/MM/yyyy HH:mm:ss
dd/MM/yyyy hh:mm:ss
dd/MM/yy hh:mm:ss
day, dd Month, yyyy
dd-MM-yy
dd/MM-yyyy
dd-Month-yy
dd/MM/yy
dd/MM/yyyy
dd, Month dd, yyyy
MM-dd-yyyy
MM/dd/yy
MM/dd/yyyy
Month dd, yyyy
yyyy-MM-dd
yyyyMMdd
HH:mm:ss
Custom
Sum_YYYY-MM-dd

Specify the format of the incoming string field
Sum_YYYY-MM-dd

Example Output
Sum_2000-01-02 2000-01-02

Note: The incoming string should match the example.

Text To Columns (79) - Configuration

Select Column to Split
Column to split: location
Delimiters:
 Split to columns
Number of columns: 2
Extra characters: Leave extra in last column
Output root name: location
 Split to rows
Advanced options:
 Ignore delimiters in quotes
 Ignore delimiters in single quotes
 Ignore delimiters in parentheses
 Ignore delimiters in brackets
 Skip empty columns

Start Here.yxmd **AIM-5014-100_M3_B.2_Zeyu Wang.yxmd** **New Workflow1.yxmd** **h3_covid.yxmd***

Results - DateTime (56) - Output

Record	Name	Value	DateTime
1	Sum_2021-01-01	350357	2021-01-01
2	Sum_2021-01-02	353125	2021-01-02
3	Sum_2021-01-03	355216	2021-01-03
4	Sum_2021-01-04	357277	2021-01-04
5	Sum_2021-01-05	361082	2021-01-05
6	Sum_2021-01-06	365230	2021-01-06
7	Sum_2021-01-07	369307	2021-01-07
8	Sum_2021-01-08	372701	2021-01-08
9	Sum_2021-01-09	376495	2021-01-09
10	Sum_2021-01-10	378630	2021-01-10

Activate Windows
Go to Settings to activate Windows.

Results - Text To Columns (79) - Output

Record	location	new_case	new_deaths	Sum_Administered_Cumulative	new_cases	location1	location2
1	United States	350357	2136	20077607	164676	United States	
2	United States	353125	2557	21223586	296457	United States	
3	United States	355216	1457	21944974	203063	United States	
4	United States	357277	2094	23829881	182681	United States	
5	United States	361082	3690	26285143	231226	United States	
6	United States	365230	3893	29640734	256321	United States	
7	United States	369307	4004	33581674	288687	United States	
8	United States	372701	4098	37909252	302959	United States	
9	United States	376495	3306	40643994	2590925	United States	
10	United States	378630	2018	42657787	212703	United States	