Day 04 #60daysofUdacity
alteryx

December 13, 2020

Text
Input

Text to
Columns

Open the alteryx workflow called parsing exercise.yxmd located in the notes and parse the phone number variable into three components.

Given → 555 | 555 | 5555	(555) 555-555	
	Area code	**Numbering Plan Area**	**Last 4 digits**
Goal → 555	555	5555

Rosana Santos

File   Edit   View   Options   Help

Search for tools, help, and resources

Favorites   In/Out   Preparation   Join   Parse   Transform   In-Database   Reporting   Documentation   Spatial   Interface   Data Investigation   Predictive   AB Testing

Browse   Input Data   Output Data   Text Input   Data Cleansing   Filter   Formula   Sample   Select   Sort   Join   Union   Text To Columns   Summarize   Comment

Text Input (2) - Configuration

Start Here.yxmd   parsing-exercise.yxmd   +

Run

Delete   Insert

	PHONE	
1	(683)584-8388	
2	408-633-6300	
3	(886)456-7700	
4	584-444-6534	
5	(684)846-3708	
6	308/453-4830	

In your practice exercise, you are going to take a North American phone number which is composed of 10 digits and parse it out into three components. Area code (first three numbers), Numbering Plan Area (second three digits) and then the last four digits. Parse out the phone numbers into these three fields.

Results - Text Input (2) - Output

1 of 1 Fields   Cell Viewer   6 records displayed   Search   Data   Metadata   Actions

Record	PHONE
1	(683)584-8388
2	408-633-6300
3	(886)456-7700
4	584-444-6534
5	(684)846-3708
6	308/453-4830

Digite aqui para pesquisar

POR   17:24
PTB2   13/12/2020

Alteryx Designer x64 - parsing-exercise.yxmd*

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Search for tools, help, and resources

Favorites   In/Out   Preparation   Join   Parse   Transform   In-Database   Reporting   Documentation   Spatial   Interface   Data Investigation   Predictive   AB Testing

Browse | Input Data | Output Data | Text Input | Data Cleansing | Filter | Formula | Sample | Select | Sort | Join | Union | Text To Columns | Summarize | Comment

Text To Columns (5) - Configuration

Start Here.yxmd   parsing-exercise.yxmd*   +

Select Column to Split

Column to split

PHONE

Delimiters

)-/

In your practice exercise, you are going to take a North American phone number which is composed of 10 digits and parse it out into three components. Area code (first three numbers), Numbering Plan Area (second three digits) and then the last four digits. Parse out the phone numbers into these three fields.

○ Split to columns

Number of columns   3

Extra characters   Leave extra in last column

Output root name   PHONE

○ 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

Results - Text To Columns (5) - Output

0 of 0 Fields   Cell Viewer   Data   Metadata   Actions

No data available. (Use Ctrl+R to run the workflow.)

Digite aqui para pesquisar

POR   17:28
PTB2   13/12/2020

Alteryx Designer x64 - parsing-exercise.yxmd*

File   Edit   View   Options   Help

Search for tools, help, and resources

Favorites   In/Out   Preparation   Join   Parse   Transform   In-Database   Reporting   Documentation   Spatial   Interface   Data Investigation   Predictive   AB Testing

Browse   Input Data   Output Data   Text Input   Data Cleansing   Filter   Formula   Sample   Select   Sort   Join   Union   Text To Columns   Summarize   Comment

Text To Columns (5) - Configuration

Start Here.yxmd   parsing-exercise.yxmd*

Run

Select Column to Split

Column to split   Delimiters

PHONE   )-/

◉ Split to columns

Number of columns   3

Extra characters   Leave extra in last column

Output root name   PHONE

○ 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

In your practice exercise, you are going to take a North American phone number which is composed of 10 digits and parse it out into three components. Area ... Plan Area (second three digits) and then ...hone numbers into these three fields.

Alteryx Designer x64   ✕

Finished running parsing-exercise.yxmd in 0.2 seconds

Learn about AMP Engine

☐ Don't show this message again   OK

4 of 4 Fields   Cell Viewer   6 records displayed   Search   Data   Metadata   Actions

Record	PHONE	PHONE1	PHONE2	PHONE3
1	(683)584-8388	(683	584	8388
2	408-633-6300	408	633	6300
3	(886)456-7700	(886	456	7700
4	584-444-6534	584	444	6534
5	(684)846-3708	(684	846	3708
6	308/453-4830	308	453	4830

Then we run Alteryx. We see the data properly parsed into the three fields. The first column still has a parenthesis before the numbers...and in the next section, we will look at how to clean up extra characters in fields.

Record #	PHONE	PHONE1	PHONE2	PHONE3
1	(683)584-8388	(683	584	8388
2	408-633-6300	408	633	6300
3	(886)456-7700	(886	456	7700
4	584-444-6534	584	444	6534
5	(684)846-3708	(684	846	3708
6	308/453-4830	308	453	4830

Gratitude 8:-)

Digite aqui para pesquisar

POR   17:29   PTB2   13/12/2020