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# Smart Data Cleaner

## Step 1: Data

UPLOAD DATA

## Step 2: Dependencies

UPLOAD DEPENDENCIES

OR

MANUALLY DEFINE DEPENDENCIES



[What is a dependency?](#)

## Step 3: Patterns

UPLOAD PATTERNS

OR

MANUALLY DEFINE PATTERNS



[What is a pattern?](#)

RESTART

FIND REPAIRS



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## Smart Data Cleaner

### Step 1: Data ✓

UPLOAD DATA

File Uploaded: [ filename ].csv

### Step 2: Dependencies

UPLOAD DEPENDENCIES

OR

MANUALLY DEFINE DEPENDENCIES

? [What is a dependency?](#)

### Step 3: Patterns

UPLOAD PATTERNS

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? [What is a pattern?](#)

RESTART

FIND REPAIRS



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## Smart Data Cleaner

### Step 1: Data ✓

UPLOAD DATA

File Uploaded: [ filename ].csv

### Step 2: Dependencies ✓

UPLOAD DEPENDENCIES

OR

MANUALLY DEFINE DEPENDENCIES

? [What is a dependency?](#)

#### Dependencies:

1. derive AC from city and state
2. derive zip from AC
3. derive state from fName, lName, and city

### Step 3: Patterns

UPLOAD PATTERNS

OR

MANUALLY DEFINE PATTERNS

? [What is a pattern?](#)

PREVIOUS

FIND REPAIRS



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## Smart Data Cleaner

### Step 1: Data ✓

UPLOAD DATA

File Uploaded: [ filename ].csv

### Step 2: Dependencies ✓

UPLOAD DEPENDENCIES

OR

MANUALLY DEFINE DEPENDENCIES

? [What is a dependency?](#)

#### Dependencies:

1. derive AC from city and state
2. derive zip from AC
3. derive state from fName, lName, and city

### Step 3: Patterns ✓

UPLOAD PATTERNS

OR

MANUALLY DEFINE PATTERNS

? [What is a pattern?](#)

#### Patterns:

[ show patterns for each dependency here]

PREVIOUS

FIND REPAIRS



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RESTART

## Smart Data Cleaner



Undo



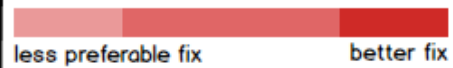
Redo

EXPORT TO CSV

**Key**

unmarked cells are clean

dirty cells:

**Repairs Applied**

No repairs applied yet

ID	fName	lName	city	state	AC	zip
1	<u>J</u>	<u>Smith</u>	<u>Beaverton</u>	OR	<u>503</u>	<u>97007</u>
2	Jack	Johnson	Corvallis	<u>OREGON</u>	541	<u>9733</u>
3	Ryan	Reynolds	Albany	<u>Oregon</u>	<u>514</u>	<u>97322</u>
4	Jake	Miller	Eugene	OR	541	97402
5	Jordan	Jackson	Roseburg	OR	<u>NULL</u>	<u>NULL</u>
6	Sam	Williams	Medford	<u>Ore</u>	541	97501
7	<u>P</u>	<u>Smith</u>	<u>Bend</u>	<u>NULL</u>	<u>541</u>	<u>97702</u>



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RESTART

## Smart Data Cleaner



EXPORT TO CSV

Key

unmarked cells are clear

dirty cells:

  
less preferable fixRepairs Applied

No repairs applied yet

## Select Repair

☐ 541☐ 518Select Dependencies and  
Order of Application

zip

[97007](#) [9733](#) [97322](#)

97402

[NULL](#)

97501

7

[P](#) [Smith](#) [Bend](#) [NULL](#) [541](#) [97702](#)



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RESTART

## Smart Data Cleaner




EXPORT TO CSV

Key

unmarked cells are clear

dirty cells:

  
less preferable fixRepairs Applied

No repairs applied yet

## Select Repair

☒ 541☐ 518Select Dependencies and  
Order of Application

- ☐ 1. Derive state from fName, lName, and city
- ☐ 2. Derive AC from city and state
- ☐ [ example dependency application ]
- ☐ [ example dependency application ]

CONFIRM

zip

[97007](#)[9733](#)[97322](#)

97402

[NULL](#)

97501

7

[P](#)[Smith](#)[Bend](#)[NULL](#)[541](#)[97702](#)



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RESTART

## Smart Data Cleaner



EXPORT TO CSV

Key

unmarked cells are clear

dirty cells:

  
less preferable fixRepairs Applied

No repairs applied yet

## Select Repair

Repair

Quality/Rating

☒ 541☐ 518Select Dependencies and  
Order of Application

- ☒ 1. Derive state from fName, lName, and city
- 2. Derive AC from city and state
- ☐ [ example dependency application ]
- ☐ [ example dependency application ]

CONFIRM

zip

[97007](#)[9733](#)[97322](#)

97402

[NULL](#)

97501

7

[P](#)[Smith](#)[Bend](#)[NULL](#)[541](#)[97702](#)



EXPORT TO CSV

**X**

- No repairs appl

## APPLY

97702



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RESTART

## Smart Data Cleaner



Undo



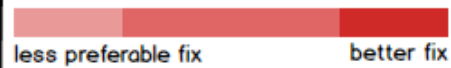
Redo

EXPORT TO CSV

**Key**

unmarked cells are clean

dirty cells:

**Repairs Applied**

Derive state from fName, lName, and city  
Derive AC from city and state

ID	fName	lName	city	state	AC	zip
1	<u>J</u>	<u>Smith</u>	<u>Beaverton</u>	OR	<u>503</u>	<u>97007</u>
2	Jack	Johnson	Corvallis	OR	541	<u>9733</u>
3	Ryan	Reynolds	Albany	OR	541	<u>97322</u>
4	Jake	Miller	Eugene	OR	541	97402
5	Jordan	Jackson	Roseburg	OR	541	<u>NULL</u>
6	Sam	Williams	Medford	OR	541	97501
7	<u>P</u>	<u>Smith</u>	<u>Bend</u>	<u>NULL</u>	<u>541</u>	<u>97702</u>



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RESTART

## Smart Data Cleaner

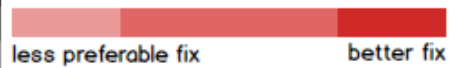


EXPORT TO CSV

Key

clean cells: ●

dirty cells:

Repairs Applied

No repairs applied yet

ID	fName	lName	city	state	AC	zip
1	<u>J</u> ●	<u>Smith</u> ●	<u>Beaverton</u> ●	OR ●	<u>503</u> ●	<u>97007</u> ●
2	Jack ●	Johnson ●	Corvallis ●	<u>OREGON</u> ●	541 ●	<u>9733</u> ●
3	Ryan ●	Reynolds ●	Albany ●	<u>Oregon</u> ●	<u>514</u> ●	<u>97322</u> ●

Repair	Rating
<input type="radio"/> 541	
<input type="radio"/> 518	
<b>CANCEL</b>	<b>SELECT</b>

4	Jake ●	Miller ●	Eugene ●	OR ●	541 ●	97402 ●
5	Jordan ●	Jackson ●	Roseburg ●	OR ●	<u>NULL</u> ●	<u>NULL</u> ●