

DR. ALVIN'S PUBLICATIONS

# HOW TO USE FUZZY LOOKUP IN EXCEL

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DR. ALVIN ANG



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# How To Use Fuzzy Lookup in Excel

by Dr. Alvin Ang



Dr. Alvin Ang

1 day ago

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## Installation

Go here: <https://www.microsoft.com/en-us/download/details.aspx?id=15011>

# Fuzzy Lookup Add-In for Excel

*Important!* Selecting a language below will dynamically change the complete page content to that language.

Language: English

Download

The Fuzzy Lookup Add-In for Excel performs fuzzy matching of textual data in Excel.

+ Details

+ System Requirements

+ Install Instructions

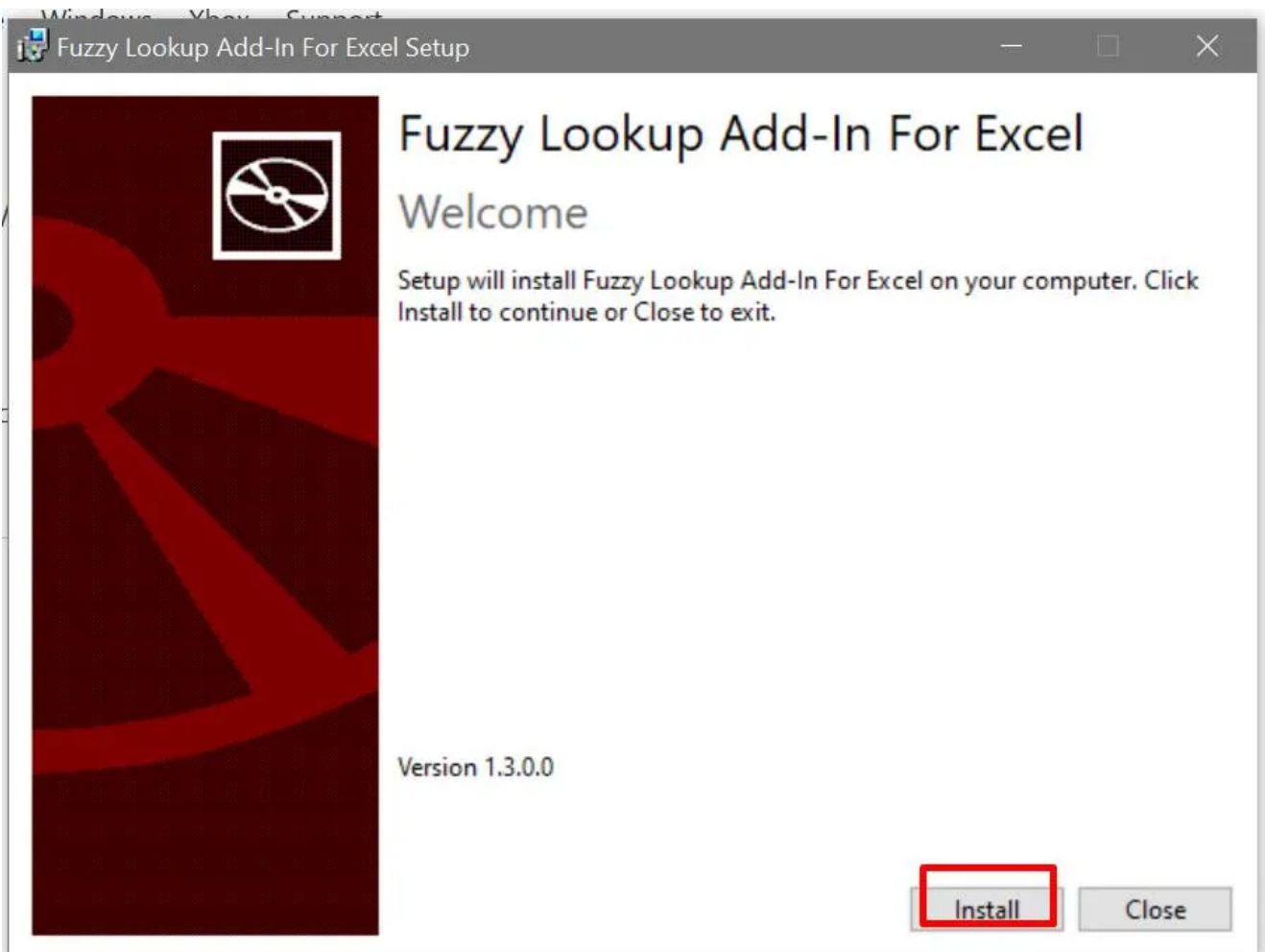
**just click and install!**

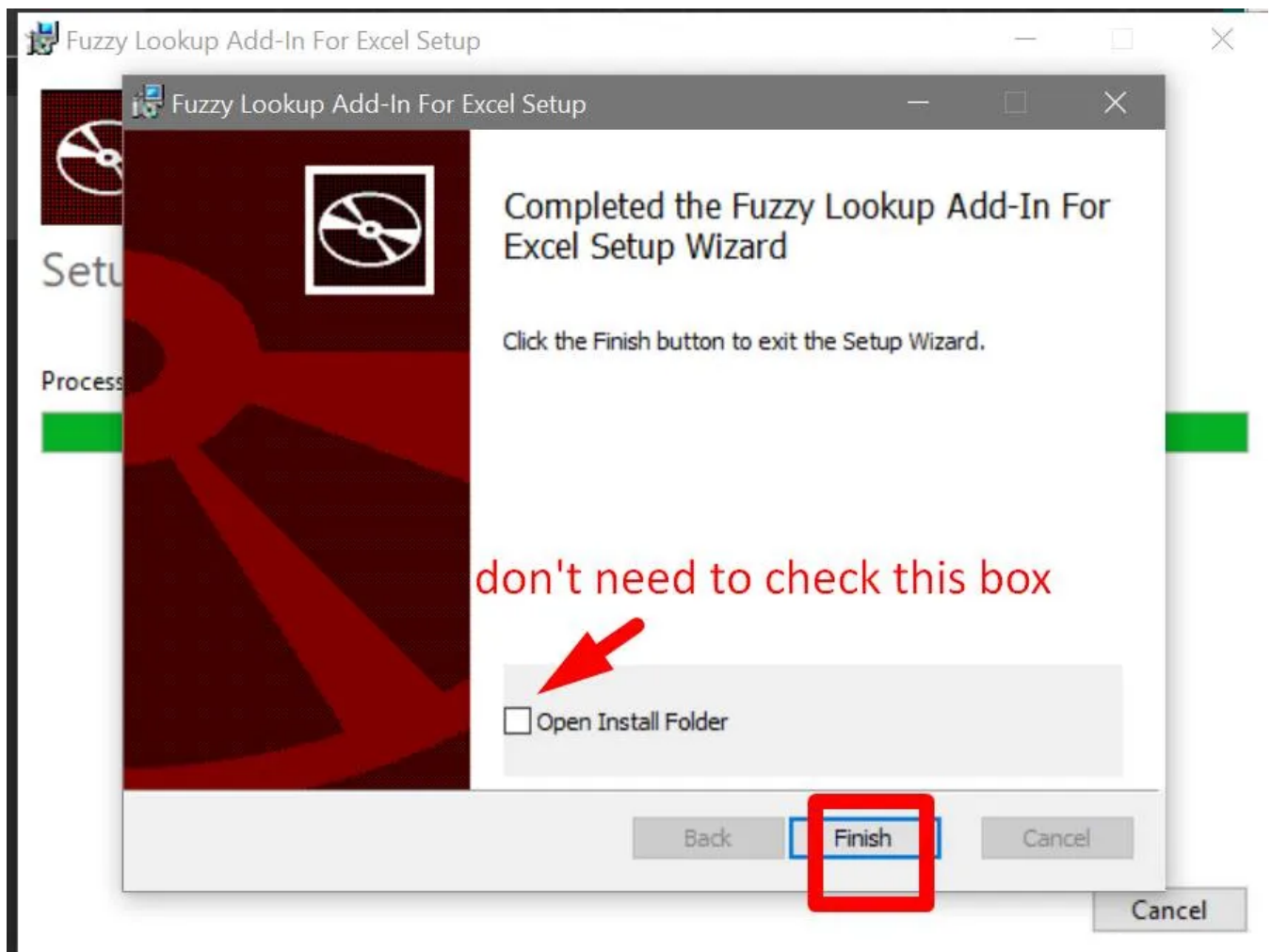
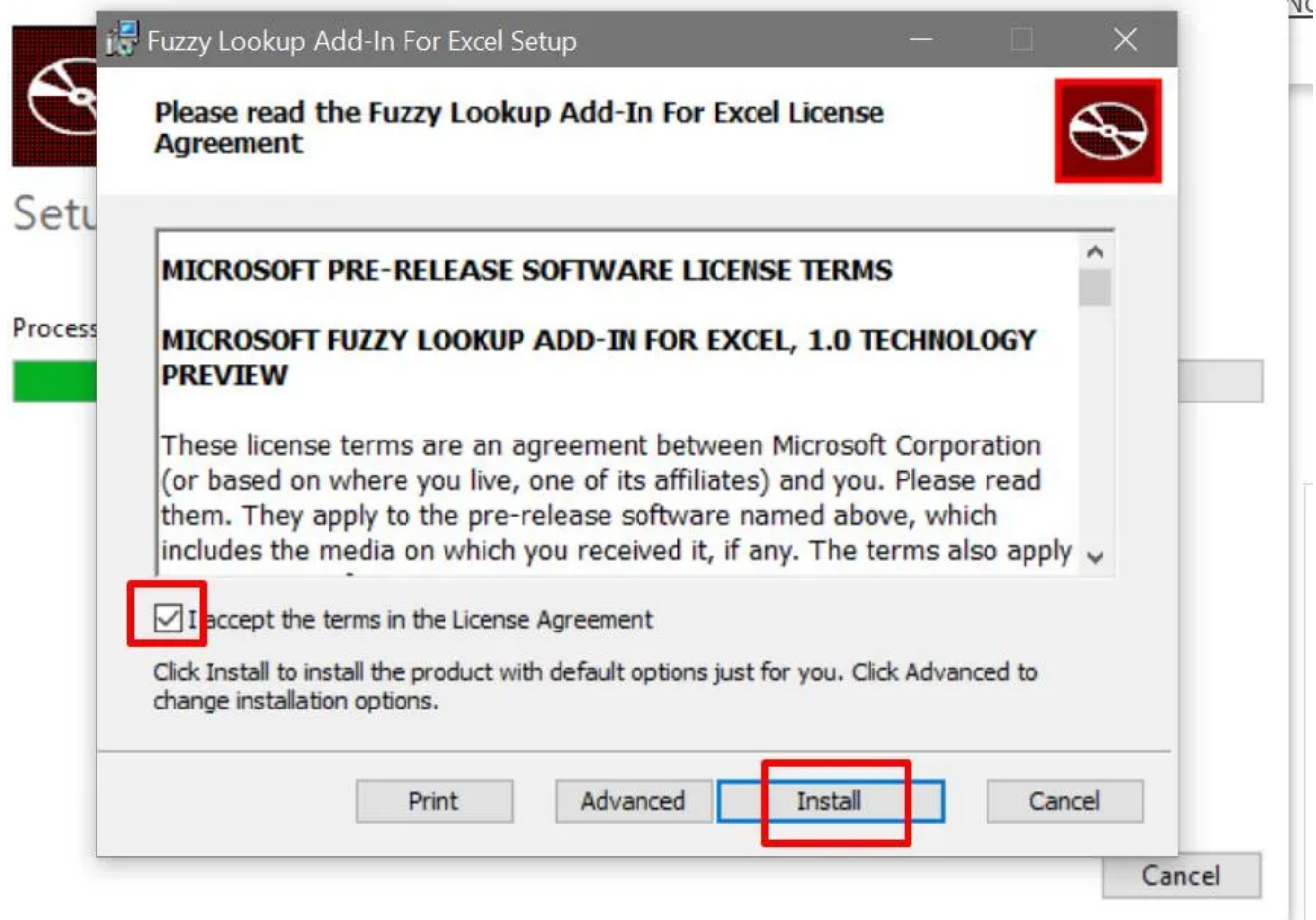
Setup.exe

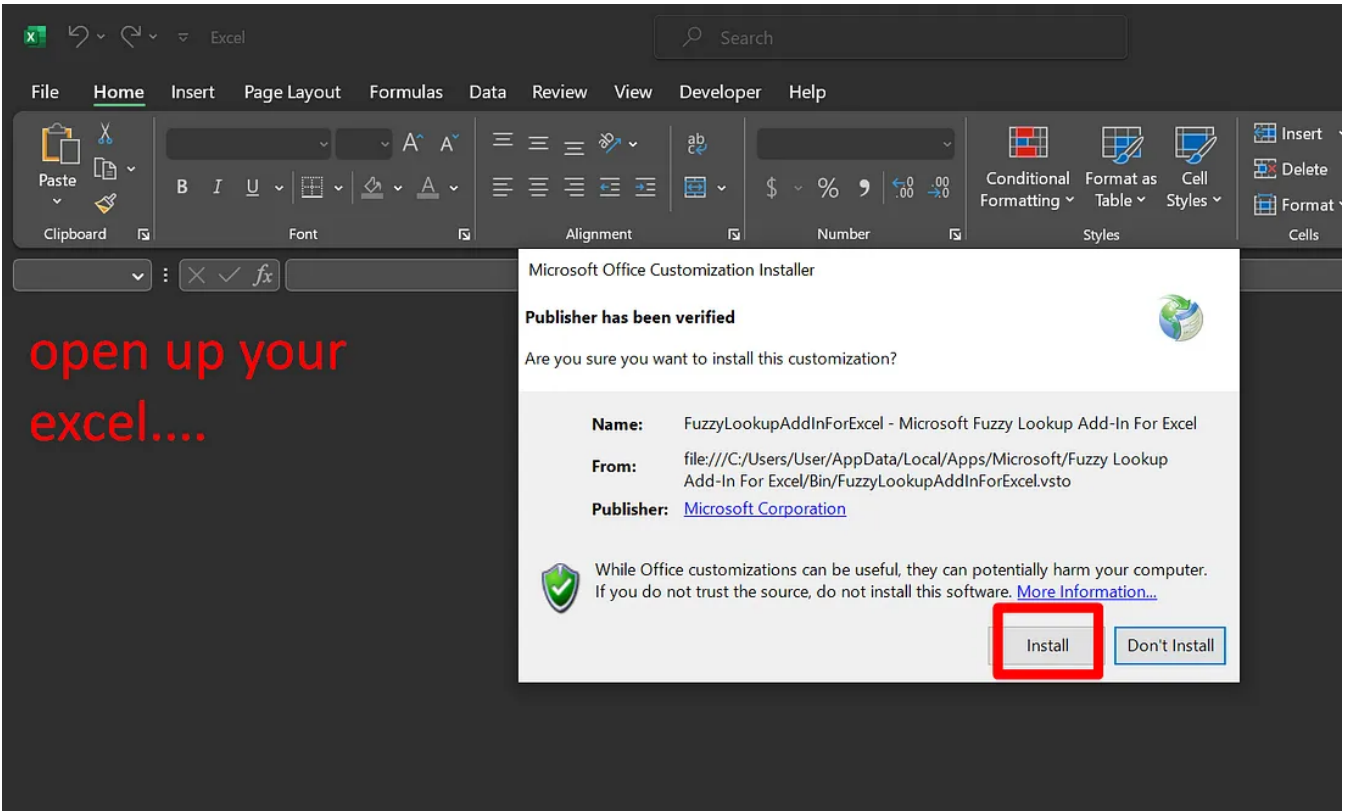
Happy Fall Greetin....zip

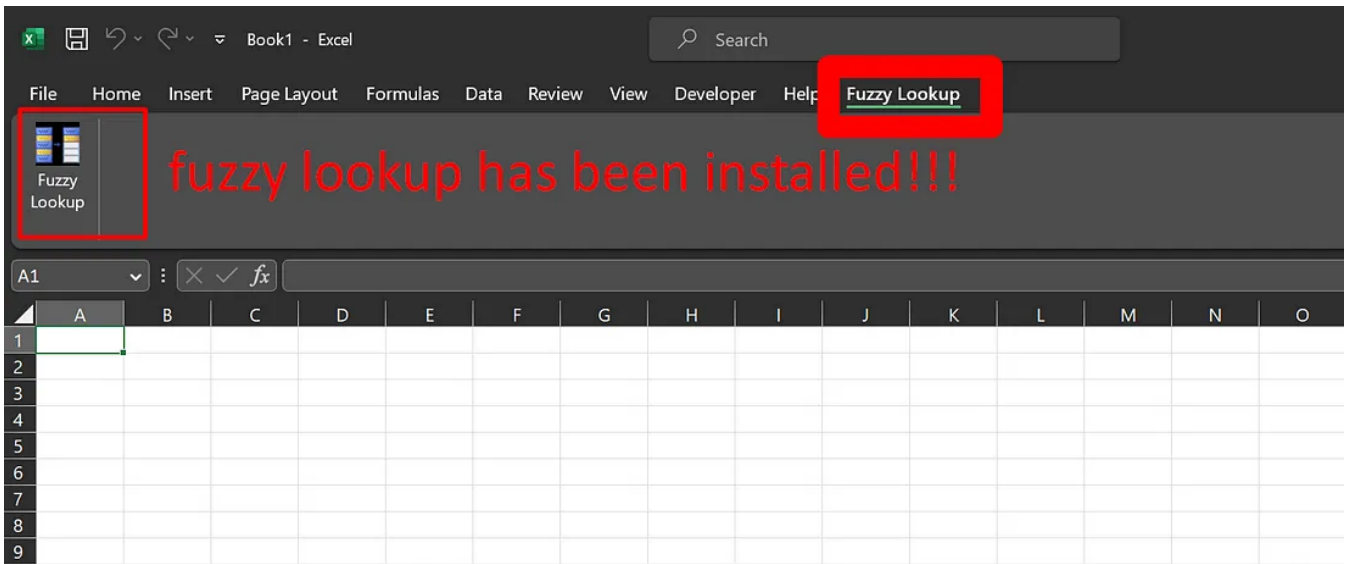
\_White Blue Moder...jpg

\_White Blue Moder...jpg



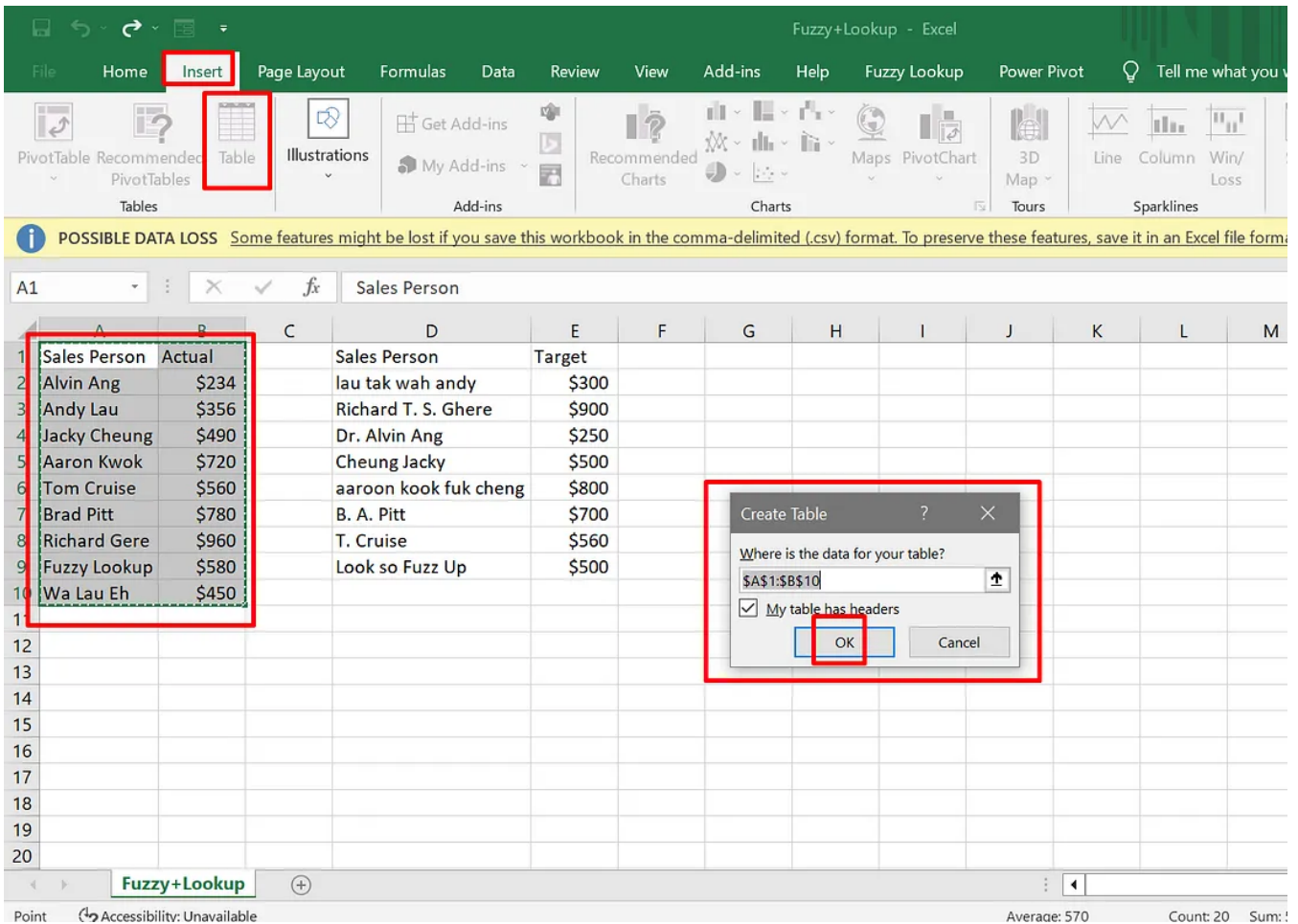






## Setting Up the Data

Go <https://www.alvinang.sg/s/Fuzzy-Lookup.csv>



Fuzzy+Lookup - Excel

Table Tools

File Home Insert Page Layout Formulas Data Review View Add-ins Help Fuzzy Lookup Power Pivot **Table Design**

Table Name: Sales\_Actual

Summarize with PivotTable  
Remove Duplicates  
Convert to Range

Properties Tools

Insert Slicer  
Export Refresh  
External Table Data

Header Row  
First Column  
Filter Button  
Total Row  
Last Column  
Banded Rows  
Banded Columns  
Table Style Options

POSSIBLE DATA LOSS Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format.

A1 Sales Person

Sales Person	Actual	Sales Person	Target
Alvin Ang	\$234	lau tak wah andy	\$300
Andy Lau	\$356	Richard T. S. Ghere	\$900
Jacky Cheung	\$490	Dr. Alvin Ang	\$250
Aaron Kwok	\$720	Cheung Jacky	\$500
Tom Cruise	\$560	aaaron kook fuk cheng	\$800
Brad Pitt	\$780	B. A. Pitt	\$700
Richard Gere	\$960	T. Cruise	\$560
Fuzzy Lookup	\$580	Look so Fuzz Up	\$500
Wa Lau Eh	\$450		

rename this table

Fuzzy+Lookup - Excel

File Home **Insert** Page Layout Formulas Data Review View Add-ins Help Fuzzy Lookup Power Pivot

PivotTable Recommended PivotTables  
Table  
Illustrations

Get Add-ins  
My Add-ins  
Add-ins

Recommended Charts  
Charts

Maps  
PivotChart  
Tours

3D Map

POSSIBLE DATA LOSS Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format.

D1 Sales Person

Sales Person	Actual	Sales Person	Target
Alvin Ang	\$234	lau tak wah andy	\$300
Andy Lau	\$356	Richard T. S. Ghere	\$900
Jacky Cheung	\$490	Dr. Alvin Ang	\$250
Aaron Kwok	\$720	Cheung Jacky	\$500
Tom Cruise	\$560	aaaron kook fuk cheng	\$800
Brad Pitt	\$780	B. A. Pitt	\$700
Richard Gere	\$960	T. Cruise	\$560
Fuzzy Lookup	\$580	Look so Fuzz Up	\$500
Wa Lau Eh	\$450		

repeat the same for the other table

Create Table

Where is the data for your table?

\$D\$1:\$E\$9

My table has headers

OK Cancel

Fuzzy+Lookup - Excel

Table Tools

File Home Insert Page Layout Formulas Data Review View Add-ins Help Fuzzy Lookup Power Pivot **Table Design** Tell

Table Name: Sales\_Target

Summarize with PivotTable  
Remove Duplicates  
Convert to Range

Properties

Insert Slicer

Export Refresh  
Open in Browser  
Unlink

External Table Data

Header Row  
Total Row  
Banded Rows

First Column  
Last Column  
Banded Columns

Filter Button

Table Style Options

POSSIBLE DATA LOSS Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format.

Sales Person	Actual	Sales Person	Target
Alvin Ang	\$234	lau tak wah andy	\$300
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Aaron Kwok	\$720	Cheung Jacky	\$500
Tom Cruise	\$560	aaroon kook fuk cheng	\$800
Brad Pitt	\$780	B. A. Pitt	\$700
Richard Gere	\$960	T. Cruise	\$560
Fuzzy Lookup	\$580	Look so Fuzz Up	\$500
Wa Lau Eh	\$450		

rename this table

## Use Fuzzy Lookup

Fuzzy Lookup - Excel

File Home Insert Page Layout Formulas Data Review View Developer Help **Fuzzy Lookup** Share

u must select any other cell before you hit Go!!  
(else it will overwrite your existing data)

POSSIBLE DATA LOSS Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format.

Sales Person	Actual	Sales Person	Target	Similarity
Alvin Ang	234	Dr. Alvin Ang	250	0.9333
Andy Lau	356	lau tak wah andy	300	0.9000
Jacky Cheung	490	Cheung Jacky	500	1.0000
Aaron Kwok	720	aaroon kook fuk cheng	800	0.8562
Tom Cruise	560	560	0.0000	
Brad Pitt	780	780	0.0000	
Richard Gere	960	Richard T. S. Ghere	900	0.8869

Fuzzy Lookup

Left Table: Sales\_Actual

Right Table: Sales\_Target

Left Columns: Actual

Right Columns: Sales Person, Target

Match Columns:

Left Columns	Right Columns	Configuration
Sales Person	Sales Person	Default

Output Columns:

- Sales\_Actual.Sales Person
- Sales\_Actual.Actual

Number of Matches: 1

Similarity Threshold: [Slider]

Go



A12 Sales Person

A	B	C	D	E	F	G	H
7	Brad Pitt	\$780		B. A. Pitt	\$700		
8	Richard Gere	\$960		T. Cruise	\$560		
9	Fuzzy Lookup	\$580		Look so Fuzz Up	\$500		
10	Wa Lau Eh	\$450					
11							
12	Sales Person	Actual	Sales Person	Target	Similarity		
13	Alvin Ang	234	Dr. Alvin Ang	250	0.9333		
14	Andy Lau	356	lau tak wah andy	300	0.9000		
15	Jacky Cheung	490	Cheung Jacky	500	1.0000		
16	Aaron Kwok	720	aaron kook fuk cheng	800	0.8562		
17	Tom Cruise	560			0.0000		
18	Brad Pitt	780			0.0000		
19	Richard Gere	960	Richard T. S. Ghere	900	0.8869		
20	Fuzzy Lookup	580	Look so Fuzz Up	500	0.7946		
21	Wa Lau Eh	450			0.0000		

fuzzy lookup will match based on the MOST SIMILAR words

Fuzzy Lookup set your left and right table and the SHARED column

Left Table: Sales\_Actual  
Right Table: Sales\_Target

Left Columns: Actual  
Right Columns: Sales Person, Target

Match Columns: Left Columns: Sales Person, Right Columns: Sales Person, Configuration: Default

Output Columns: Sales\_Actual.Sales Person, Sales\_Actual.Actual

Number of Matches: 1  
Similarity Threshold: [Slider]

Undo Configure... Go

**DONE!!!**

## About Dr. Alvin Ang



[www.AlvinAng.sg](http://www.AlvinAng.sg)

Dr. Alvin Ang earned his Ph.D., Masters and Bachelor degrees from NTU, Singapore. Previously he was a Principal Consultant (Data Science) as well as an Assistant Professor. He was also 8 years SUSS adjunct lecturer. His focus and interest is in the area of real world data science. Though an operational researcher by study, his passion for practical applications outweigh his academic background He is a scientist, entrepreneur, as well as a personal/business advisor.