

# Creating a Bot to work through Repetitive Calculations in Excel

By: Ashley Krause

# Line Efficiency Calculation

Assistant

Run

Debug

Close

Save

## Variables

Show

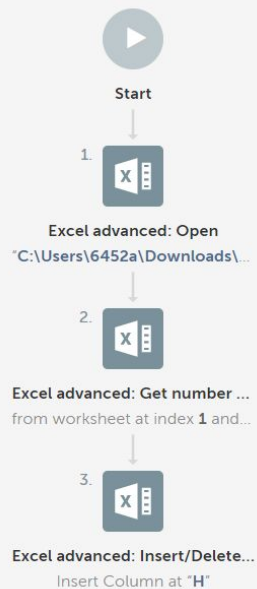


## Actions

Search actions

- > A2019DemoPackage
- > A2019DemoPackage
- > AARI Web
- > Active Directory
- > Analyze
- > App integration
- > Application
- > AWS Comprehend NLP
- > AWS Comprehend NLP (Beta)
- > Boolean
- > Bot Migration
- > Browser
- > Clipboard
- > Comment
- > Credential
- > Credential Manager
- > CSV/TXT
- > Currency Conversion

Drag a trigger here...



Drag a trigger here...

Start

1. Excel advanced: Open "C:\Users\6452a\Downloads\Production Efficiency E..."
2. Excel advanced: Get number of rows from worksheet at index 1 and assign it ...
3. Excel advanced: Insert/Delete rows/columns Insert Column at "H"
4. Excel advanced: Set cell : Specific cell "H1" to "Total Minutes Product (F=C\*D)"
5. Excel advanced: Insert/Delete rows/columns Insert Column at "I"
6. Excel advanced: Set cell : Specific cell "I1" to "Line Efficiency (%) (Eff%G=F/E\*..."
7. Loop : For each row in worksheet and assign to \$current\_record\$
8. Number: To string convert \$Count\$ to a string datatype and assign outpu...
9. Excel advanced: Set cell formula \$SAM\$ into Specific cell "F\$strcount\$"
10. Excel advanced: Set cell formula "=E\$strcount\*\$SAM\$" into Specific cel...
11. Excel advanced: Set cell formula "H\$strcount\$/G\$strcount\*100" into S...
12. Number: Increment \$Count\$ by 1 and assign result to a \$Count\$ variable
13. Number: To string convert \$Count\$ to a string datatype and assign outpu...



4. Excel advanced: Set cell  
: Specific cell "H1" to "Total Mi...



5. Excel advanced: Insert/Delete...  
Insert Column at "I"



6. Excel advanced: Set cell  
: Specific cell "I1" to "Line Effic...



7. Loop  
: For each row in worksheet a...

Drag a trigger here...

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- 7 Loop : For each row in worksheet and assign to \$current\_record\$
- 8 # Number: To string convert \$Count\$ to a string datatype and assign output...
- 9 Excel advanced: Set cell formula \$SAM\$ into Specific cell "F\$strcount\$"
- 10 Excel advanced: Set cell formula "=E\$strcount\*\$SAM\$" into Specific cel...
- 11 Excel advanced: Set cell formula "H\$strcount/G\$strcount\*\$100" into S...
- 12 # Number: Increment \$Count\$ by 1 and assign result to a \$Count\$ variable
- 13 # Number: To string convert \$Count\$ to a string datatype and assign output...

8.



Number: To string

convert  $\$Count\$$  to a string da...

9.



Excel advanced: Set cell form...

$\$SAM\$$  into Specific cell " $F\$str...$

10.



Excel advanced: Set cell form...

" $E\$strcount*\$SAM\$$ " into S...

11.



Excel advanced: Set cell form...

" $H\$strcount/G\$strcount*1...$

12.



Number: Increment

$\$Count\$$  by 1 and assign result...

▶ Start

- 1 Excel advanced: Open "C:\Users\6452a\Downloads\Production Efficiency E... ⋮
- 2 Excel advanced: Get number of rows from worksheet at index 1 and assign it ... ⋮
- 3 Excel advanced: Insert/Delete rows/columns Insert Column at "H" ⋮
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- 9 Excel advanced: Set cell formula  $\$SAM\$$  into Specific cell " $F\$strcount\$$ " ⋮
- 10 Excel advanced: Set cell formula " $E\$strcount*\$SAM\$$ " into Specific cel... ⋮
- 11 Excel advanced: Set cell formula " $H\$strcount/G\$strcount*100$ " into S... ⋮
- 12 Number: Increment  $\$Count\$$  by 1 and assign result to a  $\$Count\$$  variable ⋮
- 13 Number: To string convert  $\$Count\$$  to a string datatype and assign output... ⋮
- 14 Excel advanced: Save workbook ⋮
- 15 Task Bot: Run "Bots\Efficiency Check" and assign output to variable ⋮
- 16 Task Bot: Run "Bots\Allowance\_Calculation" and assign output to variable ⋮

13.



Number: To string

convert \$Count\$ to a string da...

14.



Excel advanced: Save workbo...

15.



Task Bot: Run

"Bots\Efficiency Check" and a...

16.



Task Bot: Run

"Bots\Allowance\_Calculation"...

17.



Start

1

Excel advanced: Open "C:\Users\6452a\Downloads\Production Efficiency E...

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Excel advanced: Get number of rows from worksheet at index 1 and assign it ...

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Excel advanced: Set cell : Specific cell "I1" to "Line Efficiency (%) (Eff%G=F/E\*...

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Loop : For each row in worksheet and assign to \$current\_record\$

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Excel advanced: Set cell formula "H\$strcount\$/G\$strcount\$\*100" into S...

12

# Number: Increment \$Count\$ by 1 and assign result to a \$Count\$ variable

13

# Number: To string convert \$Count\$ to a string datatype and assign output...

14

Excel advanced: Save workbook

15

Task Bot: Run "Bots\Efficiency Check" and assign output to variable

16

Task Bot: Run "Bots\Allowance\_Calculation" and assign output to variable

17

Excel advanced: Close

Task Bot: Run

"Bots\Allowance\_Calculation"...

17.



Excel advanced: Close



End

- 9. Excel advanced: Set cell formula `=$A$1:$A$100` into specific cell `F5` and assign output to variable `$Count$` and assign output to variable `$Count$` :
  - 10. Excel advanced: Set cell formula `"=E$strcount$*$SAMS"` into Specific cell... :
  - 11. Excel advanced: Set cell formula `"H$strcount$/G$strcount$*100"` into S... :
  - 12. # Number: Increment `$Count$` by `1` and assign result to a `$Count$` variable :
  - 13. # Number: To string convert `$Count$` to a string datatype and assign output... :
  - 14. Excel advanced: Save workbook :
  - 15. Task Bot: Run "Bots\Efficiency Check" and assign output to variable :
  - 16. Task Bot: Run "Bots\Allowance\_Calculation" and assign output to variable :
  - 17. Excel advanced: Close :
- End