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Free Trial

WeeklyChallenge

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IDEAS WANTED

We're actively looking for ideas on how to improve Weekly Challenges and would love to hear what you think!

SUBMIT FEEDBACK ▶

< Weekly Challenge

# Challenge #106: How Long were the Lights On?



JoeM

Alteryx Alumni (Retired)

Last week's solution can be found here:  
This week, we have a simple data set that represents times that inhabitants enter and exit rooms within their household. Assuming inhabitants have the lights of the room on whenever they are present and off when they are not (think motion detection), how many minutes were lights on in each of the rooms?



Note: If there are overlapping time entries, assume the light is on as long as someone is present in the room.  
Example: Person 1 is in the room from 12:30 PM - 1:30 PM, and person 2 is in the same room from 1:00 PM to 2:00 PM. The amount of time the light was on was from 12:30 PM to 2:00 PM (do not count duplicate time).

challenge\_106\_start\_file.yxmd

BasicData AnalysisPreparationTransform

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jamielaird

14 - Magnetar

▶ Spoiler

challenge\_106\_JL.yxmd

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ACE NicoleJohnson

15 - Aurora

Two-tool solution! :)

▶ Spoiler


 challenge\_106\_NicoleJohnson.yxmd



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 **Natasha**

9 - Comet

Here is my totally overcomplicated solution, just because

▷ Spoiler


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 **bdaniels**

8 - Asteroid

Here's my pass at it!

▷ Spoiler

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 **ACE patrick\_digan**

17 - Castor

I guess it's one of those times where the straight forward solution wasn't coming to mind...

▷ Spoiler

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 **ACE BenMoss**

ACE Emeritus

Got there eventually

▷ Spoiler

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 **Claje**


14 - Magnetar

Solution attached.

▷ Spoiler



 challenge\_106\_claje.yxmd 

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 **kcgreen**  
8 - Asteroid

This was harder than I expected.


▷ Spoiler


 challenge\_106\_Time\_In\_Room.yxmd 

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 **MMehdi**  
8 - Asteroid

Hello,  
  
Challenge #106 resolved.  
Please find my workflow-solution attached.

 challenge\_106\_Mehdi\_Mahdaoui.yxmd 

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