**CineCube Report**This is a report on the Avg of hours\_per\_week when occupation is fixed to 'Other' and marital is fixed to 'Partner-absent'. We will start by answering the original query and we complement the result with contextualization and detailed analyses.

**Answer to the original question**

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|  |  | Farming-fishing | Other-service | Protective-serv |
|  | Divorced | 44.06 | 37.51 | 44.33 |
|  | Married-spouse-absent | 40.17 | 36.25 | 40.00 |
|  | Separated | 43.94 | 37.02 | 43.31 |
|  | Widowed | 39.43 | 30.04 | 35.22 |

Here, you can see the answer of the original query. You have specified occupation to be equal to 'Other', and marital to be equal to 'Partner-absent'. We report on Avg of hours\_per\_week grouped by occupation at level 0, and marital at level 0 .
You can observe the results in this table. We highlight the largest values with red and the lowest values with blue color.
Column Farming-fishing has 2 of the 3 highest values.
Column Other-service has 2 of the 3 lowest values.
Row Divorced has 2 of the 3 highest values.
Row Separated has 1 of the 3 highest values.
Row Married-spouse-absent has 1 of the 3 lowest values.
Row Widowed has 2 of the 3 lowest values.

**Act I: Putting results in context**In this series of slides we put the original result in context, by comparing the behavior of its defining values with the behavior of values that are similar to them.

**Assessing the behavior of occupation**

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|  | Summary for occupation | Blue-collar | **Other** | white-collar |
|  | Divorced | 42.01 | **39.02** | 41.94 |
|  | Married-spouse-absent | 41.98 | **37.60** | 39.49 |
|  | Separated | 40.07 | **38.05** | 40.32 |
|  | Widowed | 35.73 | **31.34** | 35.30 |

In this graphic, we put the original request in context by comparing the value 'Other' for occupation at level 1 with its sibling values. We highlight the reference cells with bold, the highest values with red and the lowest values with blue color. We calculate the Avg of hours\_per\_week while fixing occupation at level 2 to be equal to ''ALL'', and marital at level 1 to be equal to ''Partner-absent''.
Compared to its sibling we observe the following:
In 4 out of 4 cases Other has lower value than Blue-collar.
In 4 out of 4 cases Other has lower value than white-collar.

**Assessing the behavior of marital**

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|  | Summary for marital | Armed-Forces | Farming-fishing | Other-service | Protective-serv |
|  | **Partner-absent** | **-** | **42.50** | **35.92** | **43.23** |
|  | Partner-present | 42.67 | 50.10 | 38.81 | 43.88 |

In this graphic, we put the original request in context by comparing the value 'Partner-absent' for marital at level 1 with its sibling values. We highlight the reference cells with bold, the highest value with red and the lowest value with blue color. We calculate the Avg of hours\_per\_week while fixing occupation at level 1 to be equal to ''Other'', and marital at level 2 to be equal to ''Married''.
Compared to its sibling we observe that in 3 out of 4 cases Partner-absent has a lower value than Partner-present.
In 1 out of 4 cases Partner-present has null value.

**Summary**Concerning the original query, some interesting findings include:  
Column Farming-fishing has 2 of the 3 highest values.  
Column Other-service has 2 of the 3 lowest values.  
Row Divorced has 2 of the 3 highest values.  
Row Separated has 1 of the 3 highest values.  
Row Married-spouse-absent has 1 of the 3 lowest values.  
Row Widowed has 2 of the 3 lowest values.  
First, we tried to put the original result in context, by comparing its defining values with similar ones.  
When we compared Other to its siblings, grouped by occupation and marital, we observed the following:  
In 4 out of 4 cases Other has lower value than Blue-collar.  
In 4 out of 4 cases Other has lower value than white-collar.  
When we compared Partner-absent to its siblings, grouped by occupation and marital, we observed the following:  
In 3 out of 4 cases Partner-absent has a lower value than Partner-present.  
In 1 out of 4 cases Partner-present has null value.