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Data Scientist - TOTVS Labs Challenge

To parse the JSON file, I've used the SQL Server 2016 function OPENJSON (see file SC01 - Json Parse.sql)

Here an extract of the result:

See the file "JSON Parsed.xlsx"

Observing the fields "Table" and "Day of Week", we can obtain the average ticket per table per day of week; so if a customer comes at Tuesday and sits at Table 1, it probably that they expense about $ 68.29.

Average of valorTotal	Column Labels					
Table	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Mesa 1	50.89	68.29	68.74	64.51	58.15	57.84

Using the FORECAST function in Excel, we can obtain the forecast for the next week:

Current Week	
segunda-feira	12,076.14
terça-feira	19,869.12
quarta-feira	26,030.12
quinta-feira	12,872.85
sexta-feira	9,042.46
sábado	10,858.63

Next Week: Forecast	
segunda-feira	18,819.52
terça-feira	17,341.66
quarta-feira	15,863.81
quinta-feira	14,385.96
sexta-feira	12,908.11
sábado	11,430.26