In the context of the CSDs that match with Pintersection, I aim to conduct an analysis using a DataFrame. This DataFrame comprises the 'ID2' column that serves as an identifier for every newspaper. Each 'ID2' has associated data on circulation and advertising rates from the years 2013 to 2019. However, there may be missing data for some years for certain 'ID2' values, and the advertising rate for a specific year could also be missing (NaN).

Additionally, each 'ID2' has an associated 'CSDs' column, which contains a list of CSDs. For each CSD within Pintersection, I plan to calculate the difference in average advertising rate from the periods 2013-2017 and 2018-2019, specifically for each 'ID2' whose associated 'CSDs' list contains the respective CSD in Pintersection. If a particular 'ID2' has missing data for a year, that specific data point will be ignored when calculating the average.

Subsequently, for each CSD in Pintersection, I aim to calculate the average difference in advertising rates across all 'ID2' values. This calculation is based on the previously calculated difference in advertising rates for each 'ID2' that contains the respective CSD in its 'CSDs' list.