DEX27: Distribution of drug exposure start dates

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| This query is used to to provide summary statistics for drug exposure start dates (drug\_exposure\_start\_date) across all drug exposure records: the mean, the standard deviation, the minimum, the 25th percentile, the median, the 75th percentile, the maximum and the number of missing values. No input is required for this query.  **Input:**  <None>  **Sample query run:** The following is a sample run of the query.  SELECT  min(tt.start\_date) AS min\_date ,  max(tt.start\_date) AS max\_date ,  avg(tt.start\_date\_num) + tt.min\_date AS avg\_date ,  (round(stdDev(tt.start\_date\_num)) ) AS stdDev\_days ,  tt.min\_date + (approximate PERCENTILE\_DISC(0.25) WITHIN GROUP( ORDER BY tt.start\_date\_num ) ) AS percentile\_25\_date ,  tt.min\_date + (approximate PERCENTILE\_DISC(0.5) WITHIN GROUP (ORDER BY tt.start\_date\_num ) ) AS median\_date ,  tt.min\_date + (approximate PERCENTILE\_DISC(0.75) WITHIN GROUP (ORDER BY tt.start\_date\_num ) ) AS percentile\_75\_date  FROM (  SELECT  (t.drug\_exposure\_start\_date - MIN(t.drug\_exposure\_start\_date) OVER()) AS start\_date\_num,  t.drug\_exposure\_start\_date AS start\_date,  MIN(t.drug\_exposure\_start\_date) OVER() min\_date  FROM drug\_exposure t  ) tt  GROUP BY tt.min\_date ;  **Output:** Output field list:   |  |  | | --- | --- | | **Field** | **Description** | | min\_value |  | | max\_value |  | | avg\_value |  | | stdDev\_value |  | | percentile\_25 |  | | median\_value |  | | percentile\_75 |  |   Sample output record:   |  |  | | --- | --- | | **Field** | **Description** | | min\_value |  | | max\_value |  | | avg\_value |  | | stdDev\_value |  | | percentile\_25 |  | | median\_value |  | | percentile\_75 |  | |