

## Request 2

What is the percentage of in **unique product increase**  
**2021 vs 2020?**  
The final output contains these fields,  
**unique\_products\_2020**  
**unique\_products\_2021**  
**percentage\_change**

## SQL Query & Output

```
WITH uniq_prod_in_2020 AS (  
  SELECT  
    count(  
      DISTINCT(product_code)  
    ) AS unique_products_2020  
  FROM  
    fact_sales_monthly  
  WHERE  
    fiscal_year = 2020  
,  
  uniq_prod_in_2021 AS (  
    SELECT  
      count(  
        DISTINCT(product_code)  
      ) AS unique_products_2021  
    FROM  
      fact_sales_monthly  
    WHERE  
      fiscal_year = 2021  
  )  
SELECT  
  unique_products_2020,  
  unique_products_2021,  
  round(  
    (  
      unique_products_2021 - unique_products_2020  
    ) * 100 / unique_products_2020,  
    2  
  ) AS percentage_change  
FROM  
  uniq_prod_in_2020 CROSS  
  JOIN uniq_prod_in_2021;
```

--OUTPUT--

unique_products_2020	unique_products_2021	percentage_change
245	334	36.33