1. Среднее количество sku в категории Мармелад на магазин

SELECT

COUNT(article\_store.article)/COUNT(DISTINCT article\_store.stores\_id\_store)

FROM article\_store

WHERE article\_store.article IN (

SELECT article\_store.article AS art FROM article\_store

JOIN articles ON articles.article = article\_store.article

JOIN categories ON categories.id\_category = articles.categories\_id\_category

WHERE categories.id\_category = 4)

1. Средний объем продаж категории Мармелад на магазин, в рублях (ПЦ)

SELECT

ROUND(SUM(price\_nds)/COUNT(DISTINCT stores\_id\_store), 2)

FROM article\_store

JOIN articles ON articles.article = article\_store.article

JOIN categories ON categories.id\_category = articles.categories\_id\_category

WHERE categories.id\_category = 4

1. Географическое распределение продаж в рублях, доля в процентах по регионам

SELECT r.reg\_name, ROUND(SUM(a.price\_nds), 2), ROUND(SUM(a.price\_nds) \* 100.0 / SUM(SUM(a.price\_nds)) OVER (), 2) AS Percentage

FROM article\_store a

JOIN stores s ON s.id\_store = a.stores\_id\_store

JOIN store\_reg sr ON sr.stores\_id\_store = s.id\_store

JOIN regions r ON r.id\_region = sr.regions\_id\_region

GROUP BY r.reg\_name;

1. ABC анализ Категории в вывеске Ашан, количество SKU

WITH c AS (

SELECT

article\_Store.article AS art,

SUM(article\_Store.price\_nds) AS summa

FROM article\_Store

JOIN articles ON articles.article = article\_store.article

JOIN categories ON categories.id\_category = articles.categories\_id\_category

JOIN stores ON stores.id\_store = article\_store.stores\_id\_store

JOIN store\_type ON store\_type.id\_type = stores.store\_type\_id\_type

WHERE categories.id\_category = 4 AND store\_type.type = 'АШАН'

GROUP BY article\_store.article

)

SELECT

articles.prod\_name,

c.art,

ROUND(c.summa, 2),

CASE

WHEN SUM(c.summa) OVER(ORDER BY c.summa DESC)/SUM(c.summa) OVER() <= 0.8 THEN 'A'

WHEN SUM(c.summa) OVER(ORDER BY c.summa DESC)/SUM(c.summa) OVER() <= 0.95 THEN 'B'

ELSE 'C'

END ABC\_group

FROM c

JOIN articles ON articles.article = c.art

ORDER BY summa DESC

1. Медианная стоимость штуки в категории Мармелад

SELECT

MEDIAN(article\_store.price\_nds)

FROM article\_store

JOIN articles ON articles.article = article\_store.article

JOIN categories ON categories.id\_category = articles.categories\_id\_category

WHERE categories.id\_category = 4

1. Средняя цена килограмма по брендам в категории Мармелад

SELECT

ROUND(AVG(ROUND(article\_store.price\_nds / articles.weight, 2) \* 1000), 2) avg\_sum,

articles.makers\_id\_maker maker\_id

FROM article\_store

JOIN articles ON articles.article = article\_store.article

JOIN categories ON categories.id\_category = articles.categories\_id\_category

WHERE categories.id\_category = 4 AND articles.makers\_id\_maker IS NOT NULL

GROUP BY articles.makers\_id\_maker

1. Средние продажи в штуках на sku Бон Пари в вывеске Ашан (3 худших)

SELECT

m.id\_manager,

m.surname,

m.name,

m.midname,

ROUND(SUM(ars.price\_nds), 2) Сумма\_продаж,

ROUND(AVG(ars.quantity), 2) Средний\_объем\_в\_штуках,

ROUND(SUM(ars.price\_nds) \* 100.0 / SUM(SUM(ars.price\_nds)) OVER (), 2) AS Доля

FROM article\_Store ars

JOIN stores s ON s.id\_store = ars.stores\_id\_store

JOIN store\_type st ON st.id\_type = s.store\_type\_id\_type

JOIN store\_reg sr ON sr.stores\_id\_store = s.id\_store

JOIN regions r ON r.id\_region = sr.regions\_id\_region

JOIN reg\_manager rm ON rm.regions\_id\_region = r.id\_region

JOIN managers m ON m.id\_manager = rm.managers\_id\_manager

WHERE st.type = 'АШАН'

GROUP BY m.id\_manager, m.surname, m.name, m.midname

ORDER BY доля DESC