explain

with teachers\_cost as

(

select id\_teacher,

case when language\_group = 'rus' then 900 else 1500 end as class\_cost

from skyeng\_db.teachers

)

-- , class\_data as

-- (

-- select distinct user\_id, class\_start\_datetime, class\_end\_datetime, id\_teacher,

-- id\_class, class\_status, class\_type

-- from skyeng\_db.classes

-- )

select date\_trunc('month', class\_start\_datetime) as class\_month,

sum(class\_cost) as total\_classes\_cost, count(id\_class) as classes\_count,

sum(class\_cost)::float / count(id\_class) as avg\_cost

from skyeng\_db.classes class\_data

left join teachers\_cost

on teachers\_cost.id\_teacher = class\_data.id\_teacher

where class\_status in ('success', 'failed\_by\_teacher') -- урок списан с баланса

-- and class\_start\_datetime >= '2016-01-01'::timestamp

-- and class\_start\_datetime < '2017-01-01'::timestamp

and extract (year from class\_start\_datetime) = 2016 -- в 2016 году

and class\_type != 'trial' -- не вводный урок

group by 1

order by 1

-- Проверка необходимости distinct

select count (id\_teacher), count (distinct id\_teacher)

from skyeng\_db.teachers

-- Sort (cost=6622.16..6622.66 rows=200 width=32) стоимость первоначального запроса

-- GroupAggregate (cost=2260.44..2267.02 rows=188 width=32) после оптимизации