*/\*1) Takedown Success rate (Write query to calculate takedown success rate of each fighter and percentile of fighter for this metric) action should be takedown, filter by years\*/*

with takedown\_stats as (

select

fi.fighter\_id

from

fightstatistics fs

left join

Actions a on

fs.action\_name\_id = a.id

left join

fightinfos fi on

fs.fighter\_id = fi.fighter\_id

left join

fighters f2 on

fs.fighter\_id = f2.id

where

a.name = 'Takedown'

and extract(year

from

fi.fight\_date )= 2018

)

select

fi.fighter\_id,

COUNT(fs.successful) as takedown\_attempts,

SUM(case when fs.successful = true then 1 else 0 end) as successful\_takedowns,

cast(SUM(case when fs.successful = true then 1 else 0 end) as numeric) / nullif(COUNT(fs.successful),

0) as takedown\_success\_rate,

percent\_rank() over(

order by cast(SUM(case when fs.successful = true then 1 else 0 end) as numeric) / nullif(COUNT(fs.successful),

0)) as percentile

from

fightinfos fi

left join

fightstatistics fs on

fi.fighter\_id = fs.fighter\_id

left join

actions a on

fs.action\_name\_id = a.id

group by

fi.fighter\_id;