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Aggregate Functions

18,846 players are in the Baseball player table

select count(\*) as '#ofplayers' from Players

78 players were born in Portland, OR

select count(\*) as '# of players from Portland' from Players

where birthCity='Portland'

34: Throw and Bat left

select count(\*) as 'Heavy Texan lefties' from Players

where birthState='TX' and bats='L' and throws='L' and weight>200

59: Bat Left

46: Throw left

269 players died prior to a final game on 1/1/1900

select count(\*) as 'Player deaths before final game on 1/1/1900' from Players

Where deathDate < '1900-01-01'

27 players were born and died in Washington

select count(\*) as 'Players who were born and died in WA' from Players

where birthState='WA' and deathState='WA'

28 players, $86,510,000 total payroll and $3,089,642.85714286 average salary in 2010

select count(\*) as '# of Players', sum(salary) as 'Total Payroll', avg(salary) as 'Average Salary' from Salaries

where teamID='SEA' and yearID='2010'

31 distinct years

select count(distinct YearID) as '# of salary years kept by Mariners' from Salaries

where teamID='SEA'

1117 Donations were made from Spokane

select count(\*) as 'Donations from Spokane' from tblDonations

where city='Spokane'

$548, was the average donation from the 99208 area code

select avg(don\_amount) as 'Average donation from 99208' from tblDonations

where zip='99208'

LA Donation #: 11,219

NYC Donations #: 34,997

New York City has the greater number of donations

select count(\*) as '# of donations from LA' from tblDonations

where city='Los Angeles'

select count(\*) as '# of donations from NY' from tblDonations

where city='New York'

Hottest Temp: 108 degrees

Coldest Temp: -30 degrees

select max(recHi) as 'hottest temp', min(recLo) as 'coldest temp' from Spokane2012

Average Overall Temp: 48 degrees

select avg(Mean) as 'Overall Average Temp' from Spokane2012

Record Low: 18

Record High: 54

Average Low: 26

Average High: 38

select min(RecLo) as 'Record Low', max(RecHi) as 'Record High', avg(AvgLo) as 'Average Low', avg(AvgHi) as 'Average High' from Spokane2012

where Month='2' and Day='6'

Earliest Sunrise: 04:51:00.0000000

Latest Sunrise: 07:38:00.0000000

select min(Sunrise) as 'Earliest Sunrise', max(Sunrise) as 'Latest Sunrise' from Spokane2012

Number of record lows recorded in 1888: 7

select count(RecLo) 'Number of Record Lows in 1888' from Spokane2012

where RecLoYr='1888'

Latest Record High Year: 2010

select max(recHiYr) as 'Latest record high year' from Spokane2012

Player with the highest salary in 2012: rodrial01 (Alex Rodriguez)

select playerID from salaries

where YearID='2012' and salary=(select max(salary) as 'highest player salary in 2012' from Salaries where YearID='2012')

There’s 877 of them unless I screwed up somewhere, so I think listing isn’t a great idea.

select nameFirst+ ' ' + nameLast as 'full name', weight from Players

where deathDate is null and weight=(select avg(weight) as 'Average all-time weight' from Players)

Foreign players on Average are 4lbs heavier.

select (select avg(weight) as 'Average US Player Weight' from Players where weight is not null and birthCountry='USA')-(select avg(weight) as 'AVG US'from Players where weight is not null and birthCountry!='USA') as 'US - Foreign Player Average Weight' from Players

I can’t figure out why this doesn’t work, could be I’m just too tired to see it. Isn’t my statement on either side of the ‘-‘ simply calculating the average

(185)-(189) in this case? So -4 is right… But why is it showing up for every single row? Is it just automatically assuming I want to do select\*from for all? But then put that single value into every row?