

SQL COMMANDS

- 1) Create table
CREATE TABLE NFL (`YEAR` int, `WEEK` int, `Hometeam` varchar(13), `HomeScore` int, `Visitor` varchar(13), `VisitScore` int, `Pointsread` int);
- 2) Populate table with all rows
http://web.stanford.edu/class/cs46n/notes/populating_rows_sql.txt
- 3) Select all Green_Bay home games
SELECT * FROM NFL WHERE Hometeam = "Green_Bay";
- 4) Select all unique teams from the list of home teams and visitors
SELECT DISTINCT Team FROM (
SELECT Hometeam as Team FROM NFL
UNION
SELECT Visitor as Team FROM NFL);
- 5) Count of number of unique home teams
SELECT Hometeam, COUNT(*) FROM NFL GROUP BY Hometeam;
- 6) Average home team scores
SELECT Hometeam, AVG(HomeScore) FROM NFL GROUP BY Hometeam;
- 7) Number of matches played by every given home team - visitor pair
SELECT Hometeam, Visitor, COUNT(*) FROM NFL GROUP BY Hometeam, Visitor;
- 8) Compute point difference as home team score - visitor score
SELECT Hometeam, Visitor, HomeScore - VisitScore as PointDiff FROM NFL;