

--Initial pull and remove null fields

```
with Tool1 as (select *  
from `data_set_1.nfl_week_by_week_standings_2023`  
where Week is not null  
order by Week, Division, PCT desc),
```

--Add a Games_Played field and a Count field

```
Tool2 as (Select Tool1.Week  
, Tool1.Division  
, Tool1.Team  
, Tool1.W  
, Tool1.L  
, Tool1.T  
, Tool1.PCT  
, Tool1.PF  
, Tool1.PA  
, Tool1.Home_Wins  
, Tool1.Home_Losses  
, Tool1.Road_Losses  
, Tool1.Conf_Wins  
, Tool1.Conf_Losses  
, Tool1.Other_Conf_Wins  
, Tool1.Other_Conf_Losses  
, Tool1.DIV_Wins  
, Tool1.DIV_Losses  
, Tool1.W + Tool1.L + Tool1.T as Games_Played  
, (CASE WHEN Tool1.Week is not null then 1 else 0 end) as Count  
From Tool1),
```

----add Division Percentage and Conference Percentage fields and add a Conference field

```
Tool3 as (Select Tool2.Week  
, (CASE WHEN Tool2.Division like '%AFC%' then "AFC" else "NFC" end) as Conference  
, Tool2.Division  
, Tool2.Team  
, Tool2.W  
, Tool2.L  
, Tool2.T  
, Tool2.PCT  
, Tool2.PF  
, Tool2.PA  
, Tool2.Home_Wins  
, Tool2.Home_Losses  
, Tool2.Road_Losses  
, Tool2.Conf_Wins  
, Tool2.Conf_Losses  
, Tool2.Other_Conf_Wins  
, Tool2.Other_Conf_Losses  
, Tool2.DIV_Wins  
, Tool2.DIV_Losses  
, Tool2.Games_Played  
, Tool2.Count  
, Tool2.DIV_Wins / Tool2.Games_Played as DIV_PCT  
, Tool2.Conf_Wins / Tool2.Games_Played as Conf_PCT  
From Tool2
```

order by Tool2.Week asc, Conference asc, Tool2.PCT desc, Conf_PCT desc, Tool2.PF desc),

--Create the division ranking field

```
Tool4 as (Select Tool3.Week
, Tool3.Conference
, Tool3.Division
, Tool3.Team
, Tool3.W
, Tool3.L
, Tool3.T
, Tool3.PCT
, Tool3.PF
, Tool3.PA
, Tool3.Home_Wins
, Tool3.Home_Losses
, Tool3.Road_Losses
, Tool3.Conf_Wins
, Tool3.Conf_Losses
, Tool3.Other_Conf_Wins
, Tool3.Other_Conf_Losses
, Tool3.DIV_Wins
, Tool3.DIV_Losses
, Tool3.Games_Played
, Tool3.Count
, Tool3.DIV_PCT
, Tool3.Conf_PCT
, Sum(Tool3.Count) Over (PARTITION By Tool3.Division, Tool3.Week Order by Tool3.PCT desc, Tool3.DIV_PCT
desc, Tool3.Conf_PCT desc, Tool3.PF desc) as Div_Rank
From Tool3
Order by Tool3.Week asc, Tool3.Conference asc, Div_Rank asc)
```

--Create the conference ranking field and determine proper order

```
Select Tool4.Week
, Tool4.Conference
, Tool4.Division
, Tool4.Team
, Tool4.W
, Tool4.L
, Tool4.T
, Tool4.PCT
, Tool4.PF
, Tool4.PA
, Tool4.Home_Wins
, Tool4.Home_Losses
, Tool4.Road_Losses
, Tool4.Conf_Wins
, Tool4.Conf_Losses
, Tool4.Other_Conf_Wins
, Tool4.Other_Conf_Losses
, Tool4.DIV_Wins
, Tool4.DIV_Losses
, Tool4.Games_Played
, Tool4.Count
, Tool4.DIV_PCT
```

```
, Tool4.Conf_PCT
, Tool4.DIV_Rank
, Sum(Tool4.Count) Over (PARTITION By Tool4.Conference, Tool4.Week Order by Tool4.DIV_Rank=1 desc,
Tool4.PCT desc, Tool4.Conf_PCT desc, Tool4.PF desc, Tool4.PA asc) as Rank
From Tool4
Limit 1000
```