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*****
Streaks
*****
```

```
With GameResults as (
    select
        season, game_id, game_date, team, location, wins_entering_gm,
        losses_entering_gm, final_score, case when LEAD(wins_entering_gm,1) over
        (PARTITION by team order by game_id) > wins_entering_gm then 't'
        when LEAD(wins_entering_gm,1) over (PARTITION by team order by game_id)
        = wins_entering_gm then 'f' when final_score = max(final_score) over
        (PARTITION by game_id) then 't' else 'f' end as result
    from game_data
    order by 2, 5 desc
),
```

```
new_streak as (
    select
        *,
        case when
        result = 't'
        and LAG (result,1) over (PARTITION by team order by game_id) = 'f'
        then 1 else 0 end as new_streak,
        case when
        result = 'f'
        and LAG (result,1) over (PARTITION by team order by game_id) = 't'
        then 1 else 0
        end as loss_streak
    from GameResults
    order by 2, 5 desc
),
```

```
streak as (
    select
        season, game_id, game_date, team, location, wins_entering_gm,
        losses_entering_gm, result,
        sum(new_streak) over (partition by team order by game_id rows between
        UNBOUNDED PRECEDING and current row) as streak_no, NULL as streak_loss
    from new_streak
    where result = 't'
    UNION
    select
        season, game_id, game_date, team, location, wins_entering_gm,
        losses_entering_gm, result, NULL as streak_no,
        sum(loss_streak) over (partition by team order by game_id rows
        between UNBOUNDED PRECEDING and current row) as streak_loss
    from new_streak
    where result = 'f'
    )
select season, game_id, game_date, team, location, wins_entering_gm,
losses_entering_gm, result, LAG(streak_win_after) over(partition by team
order by game_id) as streak_win_before, LAG(streak_loss_after)
over(partition by team order by game_id) as streak_loss_before
from (
```

```

select
    season, game_id, game_date, team, location, wins_entering_gm,
    losses_entering_gm, result,
    count(streak_no) over (partition by team, streak_no order by game_id
    rows between UNBOUNDED PRECEDING and current row) as streak_win_after,
    count(streak_loss) over (partition by team, streak_loss order by
    game_id rows between UNBOUNDED PRECEDING and current row) as
    streak_loss_after
    from streak
)
order by 2, 5 desc

```

Pace

```

select Team, avg(q4pace) as q4pace, avg(l2mpace) as l2mpace
from (
    select *, Final_Score - Qtr_4_Score as q4pace, Final_Score -
    L2M_Score as l2mpace
    from game_data
)
group by 1

```

All Stars

```

select Game_ID, sum(case when ASG_Team <> 'None' and Active_Status =
'Active' then 1 else 0 end)
from [pd]
group by 1

```