STAT 331/531: Taylor Swift Time Travel

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Can Taylor Swift make it to the Super Bowl?

Japan

Las Vegas

```
japan <- data.frame(time_zone = c("Japan")) |>
mutate(concert_start = mdy_hms("2/10/2024 18:00:00",

tz = time_zone),

concert_end = concert_start + dhours(5),

flight_takeoff = concert_end + dhours(3),

flight_landing = flight_takeoff + dhours(13)

japan
```

time_zone	concert_start	concert_end	flight_takeoff	flight_landing
Japan	2024-02-10	2024-02-10	2024-02-11	2024-02-11
	18:00:00	23:00:00	02:00:00	15:00:00

Note:

This is assuming 3 hours to get to the airport post-concert and a 13-hour flight from Japan to Las Vegas

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time_zone	flight_landing	game_start	jetlag_recovery_time
US/Pacific	2024-02-10 22:00:00	2024-02-11 15:30:00	17.5 hours

Results:

Yes!

Taylor Swift will have 17.5 hours between landing in Las Vegas and the Super Bowl kickoff - plenty of time for some jet lag recovery and to get ready for the game!