

BREAKOUT TITLE

Facilitator Name and Affiliation



Data Day at the Beach 2025



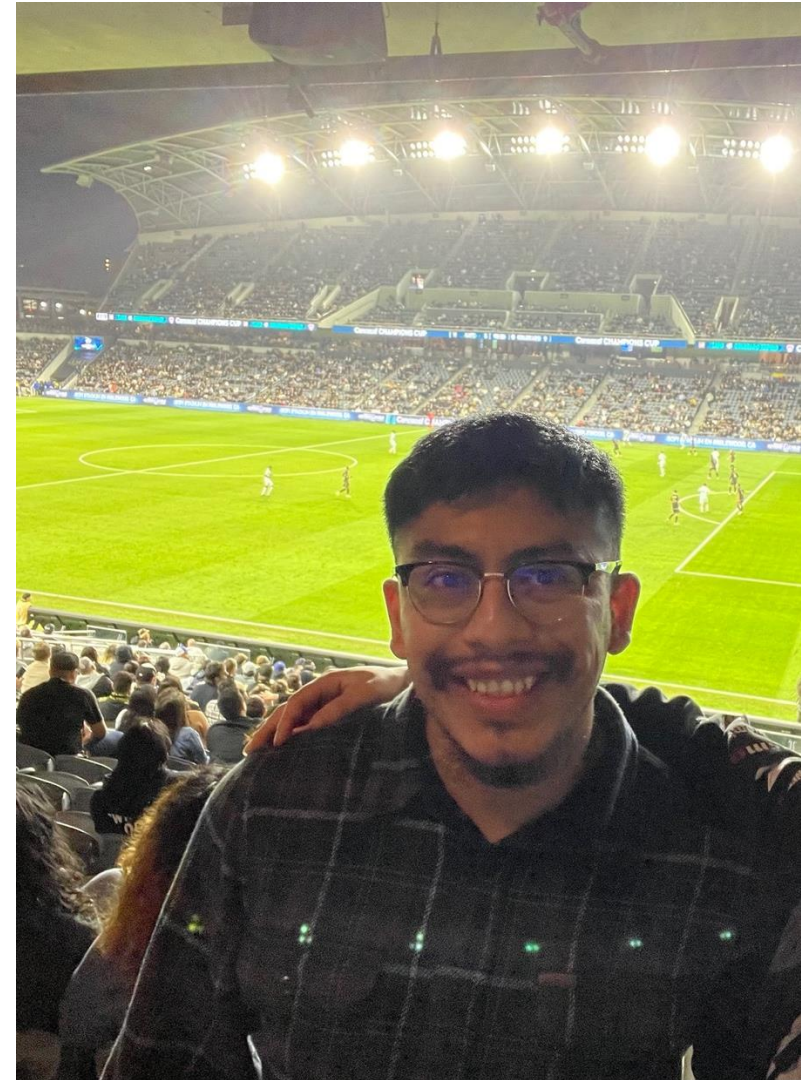
Introduction – Andres Gonzalez

- Background in Statistics, Mathematics and Data Science.
- Experience in R, SQL, Python, and data visualization tools like ggplot2 and Tableau.
- Big fan of soccer, movies, and exploring music across different genres.



Gerry Cruz

- B.S. in Applied Mathematics at CSUN
- Candidate in M.S. Applied Statistics
- Hobbies:Swimming, Latin Dancing, Table Tennis, Gym, Rock Climbing, Comedy
- Coding Experience:Python,R,SQL



ABOUT Facilitator 2

- B.S. in Political Science at LMU '19
- Candidate in M.S. Applied Statistics
- Currently: Interning at two non-profits focusing on higher education attainment and public health mapping for evacuation zones
- Coding/Software Experience: Python, R, SQL, SAS, GIS



OUTLINE/OVERVIEW of the SESSION

- Introduction to the Dataset – Explore the Genius lyrics dataset and understand its JSON structure.
- Data Cleaning & Preprocessing – Remove unwanted text (e.g., [Chorus], [Verse]) and tokenize lyrics into individual words.
- Plot 1: Word Frequency Analysis – Visualize the top 10 most frequently used words from the artist's top 50 songs.
- Sentiment Analysis – Analyze the emotional tone by scoring positive and negative words across songs using the Bing lexicon.
- Plot 2: Sentiment Map of Songs – Create a sentiment map to visualize where each song falls on the positive-negative spectrum.
- Wrap-up & Discussion – Discuss key takeaways and explore how this workflow applies to other types of data.



(Positive and Negative)

LL ASLEEP, WHERE DO WE GO?



my boy
THE GREATEST
my future
6.18.18
come out and play
What Was I Made For?
8
Six Feet Under
lovely
i love you
Halley's Comet

Negative

Positive

listen before i go
you should see me in a crown
wish you were gay

WILDFLOWER
TV

TV
hostage

THE DINER

Male Fantasy

LUNCH

goodbye
CHIHITO

CHIHIRO
Billie Bossa N

CHIHIRO
Billie Bossa Nova
when the party's over

NDA

Therefore I Am
The 20th

The 30th
BITTERSUITE

BITTERSOL
SKINNY

idontwannabeyouanymore

everything i wanted

BIRDS OF A FEATHER

watch
COPYCAT

COPYCAT
Bored

BLUE

bellyache

party favor
Happy Than Ever

Happier Than Ever
ocean eyes

ocean eyes
xanny

Your Power

L'AMOUR DE MA VIE

ilomilo
happy friend

bury a friend
hitches broken hearts

DITCHES BROKEN HEARTS
all the good girls go to h

No Time To Die

bad guy

my strange addiction

A person dressed as Santa Claus, wearing a red suit and hat, is sitting inside a large, three-dimensional red letter 'A'. The person is holding a small object in their hands. The background is a solid yellow color.