



# Introduction to R

Module 11-01, DataFrame Introduction and Creation

Billy Fetzner

# Matrices

# DataFrames



- Homogeneous data types
- Can perform many arithmetic operations
  - Addition
  - Subtraction
  - Multiplication
  - Division
- Created from putting dimensions to a vector

- visualize tabular data

- Can have different data types in each column
- Variable number of rows and columns
- Heterogeneous data types
- List of vectors of equal length

# DataFrame



columns

rows

data

	Position	Track Name	Artist	Streams	URL	Date	Region
0	1	Reggaetón Lento (Bailemos)	CNCO	19272	<a href="https://open.spotify.com/track/3AEZUABDXNtecAO...">https://open.spotify.com/track/3AEZUABDXNtecAO...</a>	2017-01-01	ec
1	2	Chantaje	Shakira	19270	<a href="https://open.spotify.com/track/6mlCuAdrwEjh6Y6...">https://open.spotify.com/track/6mlCuAdrwEjh6Y6...</a>	2017-01-01	ec
2	3	Otra Vez (feat. J Balvin)	Zion & Lennox	15761	<a href="https://open.spotify.com/track/3QwBODjSEzelZyV...">https://open.spotify.com/track/3QwBODjSEzelZyV...</a>	2017-01-01	ec
3	4	Vente Pa' Ca	Ricky Martin	14954	<a href="https://open.spotify.com/track/7DM4BPaS7uofFul...">https://open.spotify.com/track/7DM4BPaS7uofFul...</a>	2017-01-01	ec
4	5	Safari	J Balvin	14269	<a href="https://open.spotify.com/track/6rQSRBHf7HIZjt...">https://open.spotify.com/track/6rQSRBHf7HIZjt...</a>	2017-01-01	ec