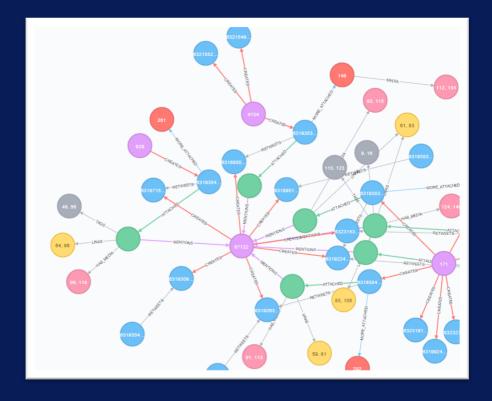


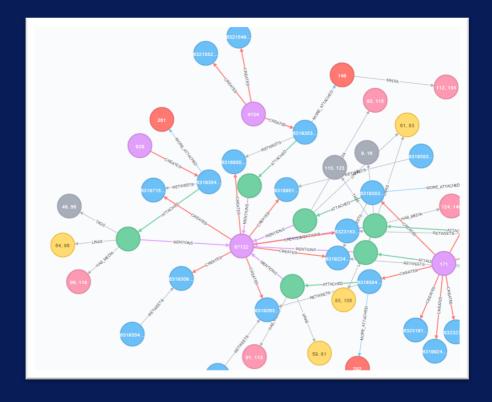
Tweets are Graphs

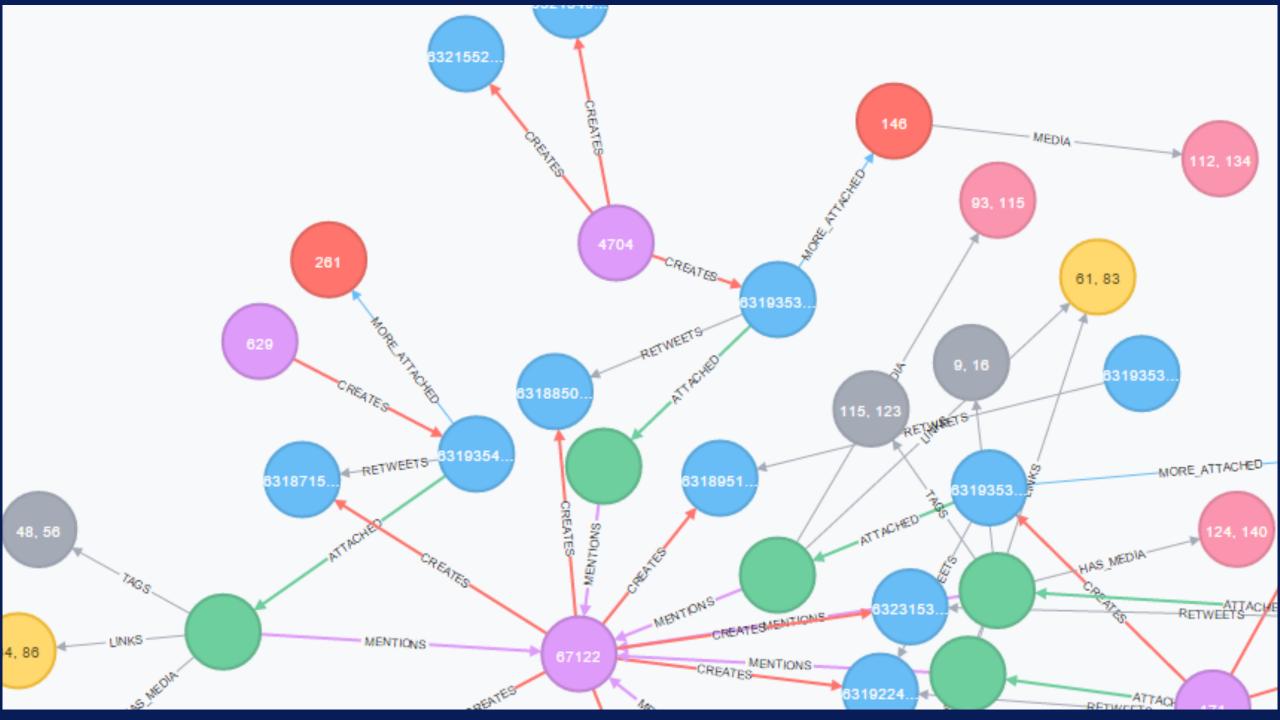
- Many kinds of nodes
 - Users
 - Tweets
 - URLs
 - Hashtags
 - Media



Tweets capture Human Interactions

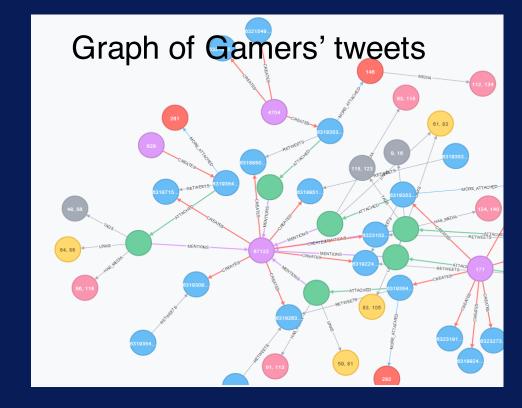
- Many kinds of edges
 - User <u>creates</u> Tweets
 - A tweet is in response to another
 - A tweet <u>retweets</u> another
 - User <u>mentions</u> User
 - Tweet <u>contains</u> Hashtag
 - User <u>follows</u> User





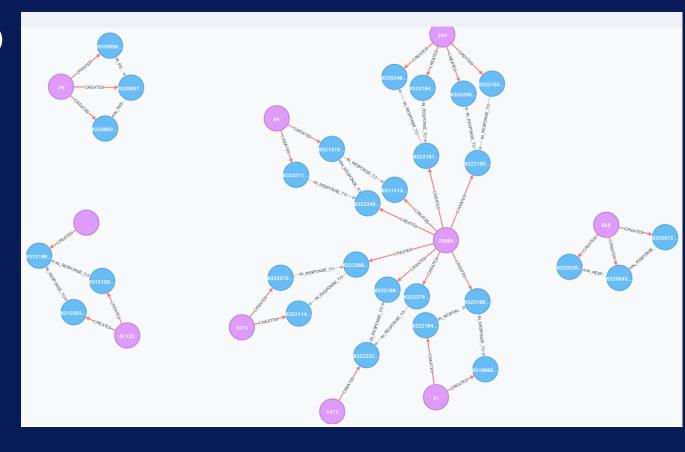
Example 1: Social Media Analytics

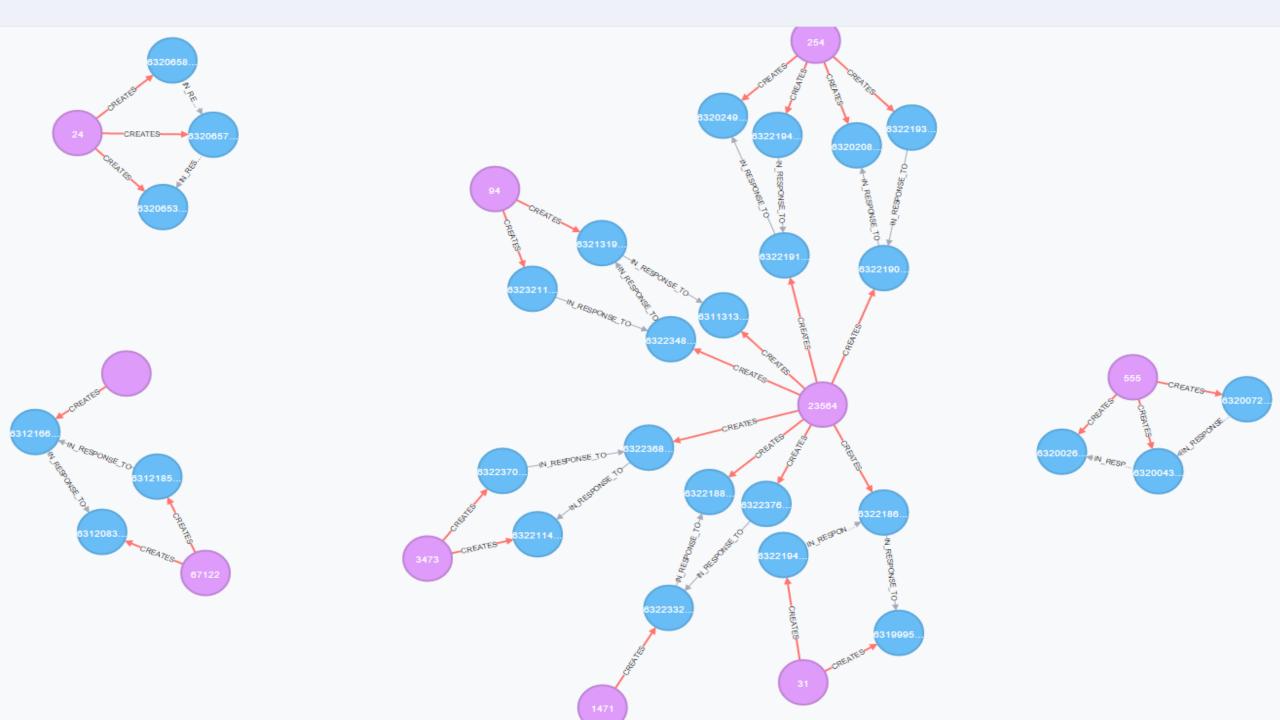
- Behavioral Psychology
 - A branch of psychology that studies people's behavior
- Data Science questions of a behavioral psychologist
 - Do players of violent online games show more confrontational behavior in their tweet conversations?
 - Can we tell how "addicted" a user is to a game?



Why Graphs?

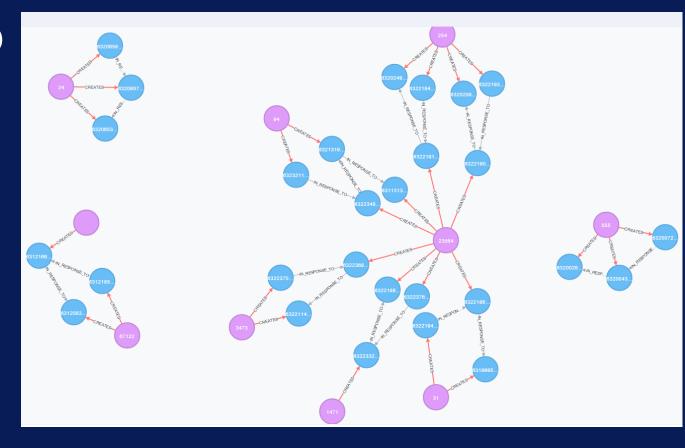
Extracting Conversation
Threads





Why Graphs?

- Extracting Conversation Threads
- Finding Interacting Groups
- Finding Influencers in a Community



pause