**Using YAML for Twitter Templates and Mapping Files**

**1. Template Details**

In the context of a conference event, we categorize activities into three stages: Before Conference, During Conference, and After Conference. Each of these stages is defined by two separate YAML files for Twitter templates: **sequence.yaml** and **random.yaml**. The templates in **sequence.yaml** are processed sequentially, while those in **random.yaml** can be executed in any order multiple times.

The format of each template is structured as follows:

yaml

template\_name: CallForPapersTemplate

account\_type: ConferenceAccount

min\_duration: 3

max\_duration: 3.5

frequency: 0.5

body: | We extend a warm invitation to researchers and scholars to participate in [Conference] by submitting your papers to different tracks. Share your pioneering research and valuable insights with the academic community. Don't miss this opportunity to make a meaningful contribution to the success of the conference! The submission deadline is approaching soon.

Explanation:

•account\_type signifies that the tweet is from a conference account (e.g., @iswc\_conf).

•min\_duration and max\_duration define the time window for the tweet (3 to 3.5 months from a given time).

•frequency controls the tweet generation probability (0.5).

•body contains the actual tweet text with placeholders for dynamic content.

**2. Mapping Files**

The **mapping.yaml** file is utilized based on the placeholders present in each tweet template. It consists of triples associated with each placeholder. For example:

yaml

- ConferenceAccount:

- subject: ?postinguser

predicate: rdf:type

object: ConferenceAccount

- subject: ?postinguser

predicate: posts

object: ?tweet

- subject: ?tweet

predicate: rdf:type

object: Tweet

- subject: ?tweet

predicate: hasInformation

object: ?information

- subject: ?tweet

predicate: hasDateTimestamp

object: \_timestamp

- subject: ?tweet

predicate: isAbout

object: ?conferenceinstance

- subject: ?tweet

predicate: mentions

object: ?otherusers

- subject: ?tweet

predicate: hasHashtag

object: ?domain

- subject: ?tweet

predicate: hasTweetID

object: ?tweet

- subject: ?postinguser

predicate: hasUserName

object: ?username

- subject: ?postinguser

predicate: hasUserID

object: ?postinguser

- Conference:

- subject: ?conferenceinstance

predicate: rdf:type

object: :Conference

- subject: ?conferenceinstance

predicate: hasConferenceName

object: ?conferenceName

- subject: ?conferenceinstance

predicate: hasId

object: ?conferenceid

- subject: ?conferenceinstance

predicate: hasMode

object: ?conferenceMode

- subject: ?conferenceinstance

predicate: hasPaperTrack

object: ?paperTrack

- subject: ?conferenceinstance

predicate: hasWebsiteURL

object: \_url

- subject: ?conferenceinstance

predicate: hasLocation

object: ?location

For a specific tweet, all the defined triples will be generated.