

# Appendix A

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## Twitter Use Case Description Form

**Name:** Sweta Baniya, Purdue University

**Email:** baniya@purdue.edu

**Legal Entity Name (Please include Inc., LLC, Corp. etc.):** Purdue University

**Organization Website:** www.purdue.edu

**Organization's Twitter Handle:** @LifeatPurdue (@Sunkesharee)

**Company Headquarters/Billing Address:** Purdue University,  
500 Oval Drive

Heavlion Hall 324,

West Lafayette 47906

**Company description, including industries served and customer locations:** Public University, serving education.

**Twitter Use Case Description:** In paragraph form, please provide a detailed description of how Twitter data will be used in your service. In your description, please include answers to the following questions:

**What is the purpose of your product or service?**

The core use of the case is for academic purposes only. Twitter APIs will only be used for academic research purposes. There are no profit-generating activities, but this academic research is a contribution to society.

**What will you deliver to your users/customers?**

Since this is a work without any profit of customers, there is no delivery to the customers.

**How do you intend to analyze Tweets, Twitter users, or their content?**

Twitter users will not be analyzed. Their identities will not be revealed in any case. If there is a chance that the identities of the Twitter users will be revealed, then all of them will be anonymized. My research has been approved by IRB at Purdue University. The research during the data collection as well as analysis will adhere to the IRB protocol that protects all the human subjects that are related with the research. For the analysis, I will be using "Social Network Analysis" via NVivo to generate networks to see how people have networked via Twitter. For this research, there will be analysis

of only the keywords, but not the whole tweet. The keywords will be used to analyze for example, how many people have used hashtag #NepalEarthquake or have used keywords like “relief,” “rescue,” “help,” and “donate.” Only the numerical value will be analyzed. The content of the Tweets, as well as the identities displays such as photographs or location or personal details, will not be used.

For the purpose of sharing, the results of Social Network Analysis will be presented in the form of written publication - the first will be my dissertation project, the second will be publications, and the third will be conferences. These are purely academic audiences and thus, there will be no profit-making involved in this.

**How is Twitter data displayed to users of your product or service (e.g., will Tweets and content be displayed at row level or aggregated)?**

Like I have mentioned above, the exact content of the Tweets wouldn't be displayed. However, the content, if necessary to be displayed, will be done during classroom activities, conferences, and peer-reviewed academic publications. Again, the identity of Twitter accounts will not be disclosed. Any tweets that disclose personal details and information will not be used for the dissemination. This way, the information shared will be able to protect the identities of the people. The results of Social Network Analysis are displayed in the form of maps and charts and graphs - hence, there will not be any information that is related to the human subjects (Twitter users) displayed. Only the numbers will be displayed. Additionally, the research doesn't involve tweeting, retweeting, or liking the content, or interaction with any Twitter accounts.

**Did you, or do you, plan to make available an API that redistributes Twitter content to your customers, either as part of your product or as a complement? If so, please provide us with a sample payload.**

No. The API will only be used by me.

**In addition to the use case description, please disclose if your product, service, or analysis makes Twitter content or derived information available to a government entity (or entity who serves government entities).**

No. This will be used only for academic purpose and will be shared as public information via libraries and doesn't serve or provide service to any government entities.

**1. If yes, please provide a list of which government or public sector entities will have access to Twitter content, or information derived from Twitter content, under this use case: N/A**

**2. Also, we will need a description of which portion(s) of your overall use cases are applicable to each entity; or if they differ from the overall use case, a description of the specific use cases for these entities: N/A**