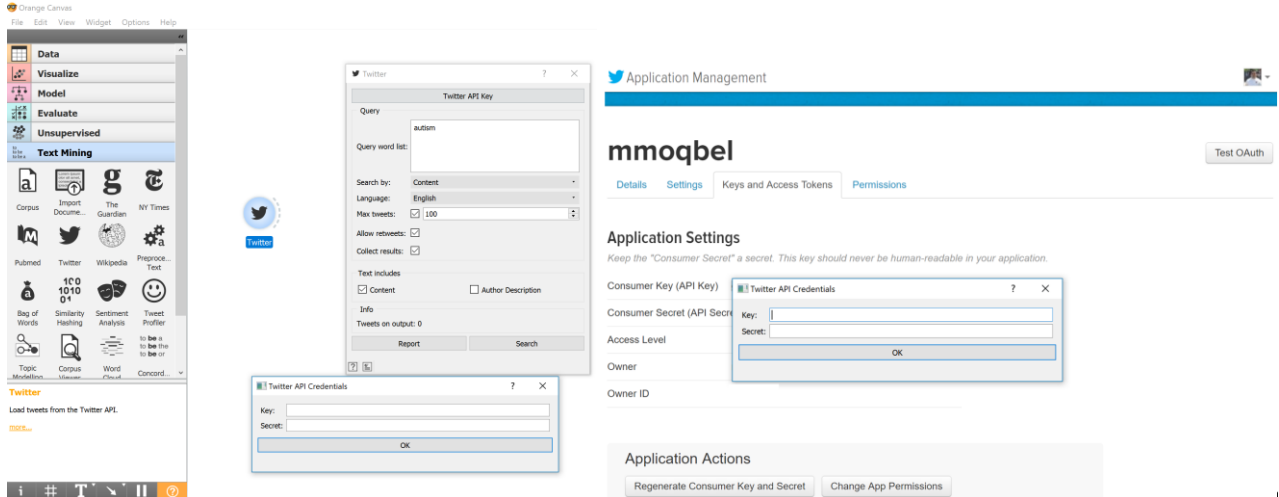
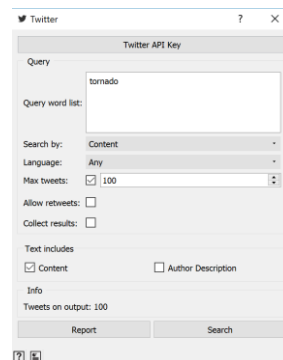


Text Social Data Analytics

1. **Install Text Mining Add-on:** Open Orange software => go to Options tab => Add-ons => Text => restart orange for the add-on to appear.
2. **Get Twitter API Key:** Drag and drop Twitter to canvas => double click on Twitter icon => click on Twitter API Key – you will need to log in into your twitter account and get the API key (<https://youtu.be/y4Nsgy3YTv8>) from there using the following URL: <https://apps.twitter.com/>



3. **Query Word:** enter query word of your choice or any trending topic on Twitter via www.trendsmap.com like Tornado ☹ => limit your tweets to 100 so that they can be extracted quickly => click search.



5. **View tweets/content:** To view your tweet content, grab and drop **DataTable widget** from the **Data** section => connect the **Twitter** widget with the **Data Table widget** => double click the **Data Table** to view content.
6. **Pre-process:** Drag and drop **Pre-Process Text widget** into the canvas => connect it to the **Twitter widget** => double click the **Preprocess Text Widget** and you will see: (1) Transformation section which transforms all words into lowercase. (2) Tokenization which converts text into individual words and removes the punctuations. (3) Filter section allows you to specify your own stop words (remove unwanted words such as https...).
7. **Customized Stop-words:** open a **notepad** and list your stop-words one word in each row. Save the file into your computer and upload into the stop-word section as shown below.

