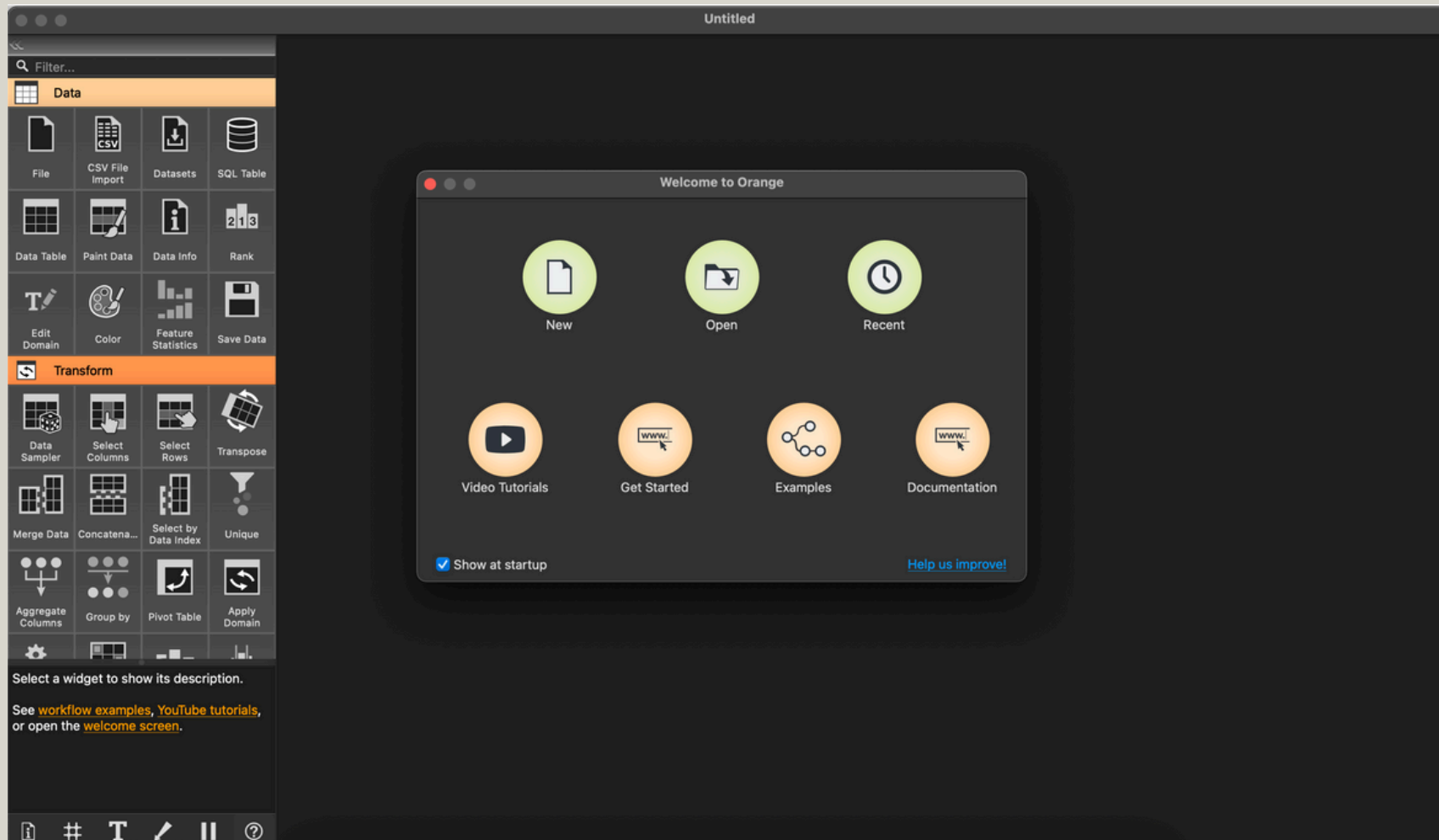
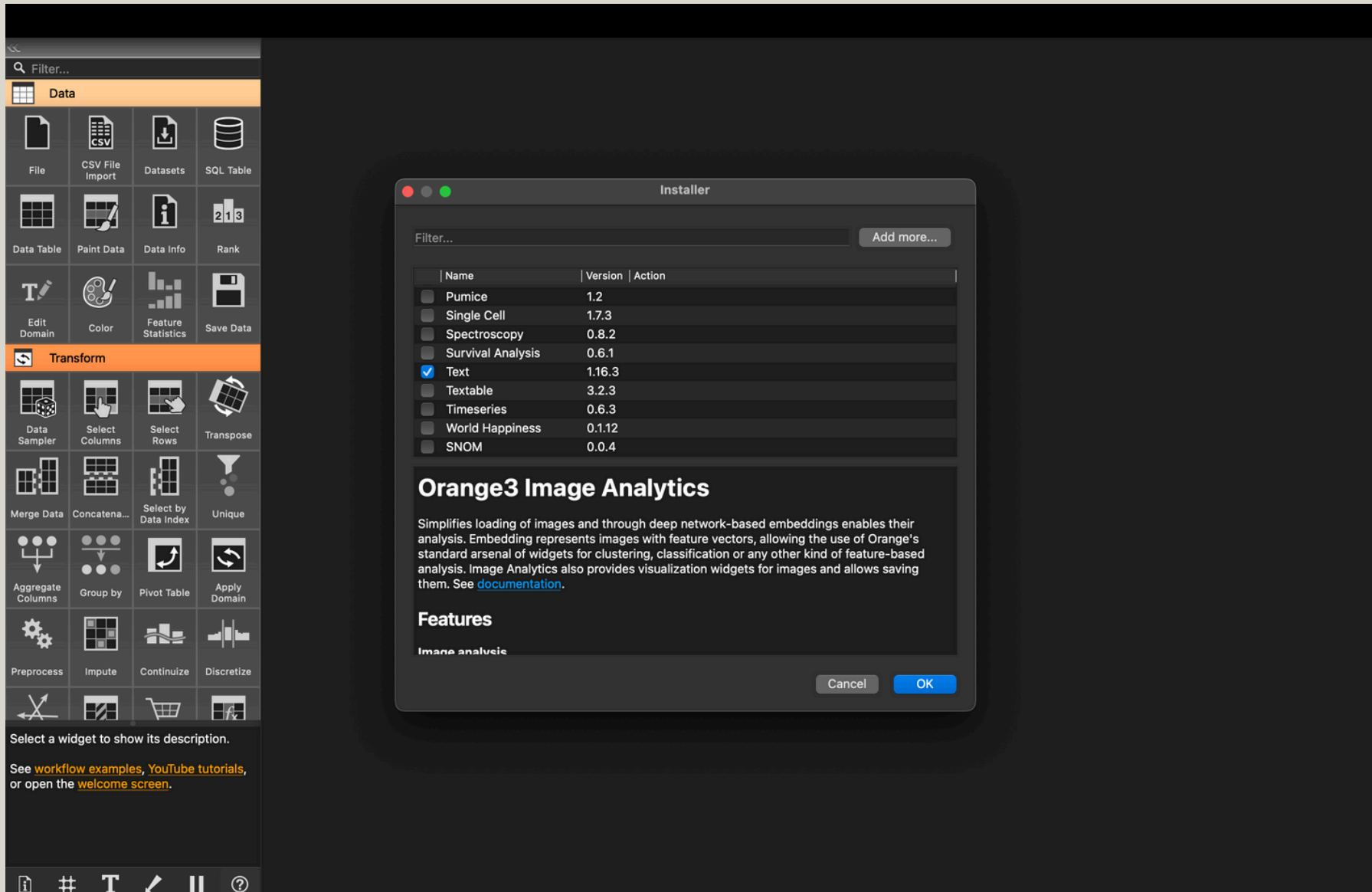


# Natural Language Processing with Orange

## Step 1: Launch Orange Data Mining Software



## Step 2: Install Text Add-On



## Step 3: Load or Create Textual Data

The screenshot displays the Orange3 data mining software interface. On the left is a sidebar with a 'Filter...' search bar and two main sections: 'Data' and 'Transform'. The 'Data' section includes icons for File, CSV File Import, Datasets, and SQL Table. The 'Transform' section includes icons for Data Table, Paint Data, Data Info, Rank, Edit Domain, Color, Feature Statistics, and Save Data. Below these is a 'Create Corpus' button with a document icon. The main workspace on the right shows a 'Create Corpus' dialog box. This dialog has a 'Language' dropdown set to 'English'. It contains a text area with the text of 'A Haunted House' by Charles Dickens. At the bottom of the dialog are 'Add document' and 'Apply Automatically' buttons, with a checkbox between them that is currently checked. The status bar at the bottom of the window shows icons for information, a hash symbol, a text tool, a paint tool, a pause button, and a help button.

Untitled

Filter...

Data

File CSV File Import Datasets SQL Table

Data Table Paint Data Data Info Rank

Edit Domain Color Feature Statistics Save Data

Transform

Data Sampler Select Columns Select Rows Transpose

Merge Data Concatena... Select by Data Index Unique

Aggregate Columns Group by Pivot Table Apply Domain

Create Corpus

Write/paste documents to create a corpus  
[more...](#)

Create Corpus

Language

English

A Haunted House

Whatever hour you woke there was a door shutting. From room to room they went, hand in hand, lifting here, opening there, making sure--a ghostly couple.

"Here we left it," she said. And he added, "Oh, but here too!" "It's upstairs," she murmured. "And in the garden," he whispered. "Quietly," they said, "or we shall wake them."

But it wasn't that you woke us. Oh, no. "They're looking for it; they're drawing the curtain," one might say, and so read on a page or two. "Now they've found it," one would be certain, stopping the pencil on the margin. And then, tired of reading, one might rise and see for oneself, the house all empty, the doors standing open, only the wood pigeons bubbling with content and the hum of the threshing machine sounding from the farm. "What did I come in here for? What did I want to find?" My hands were empty. "Perhaps its upstairs then?" The apples were in the loft. And so down again, the garden still as ever, only the book had slipped into the grass.

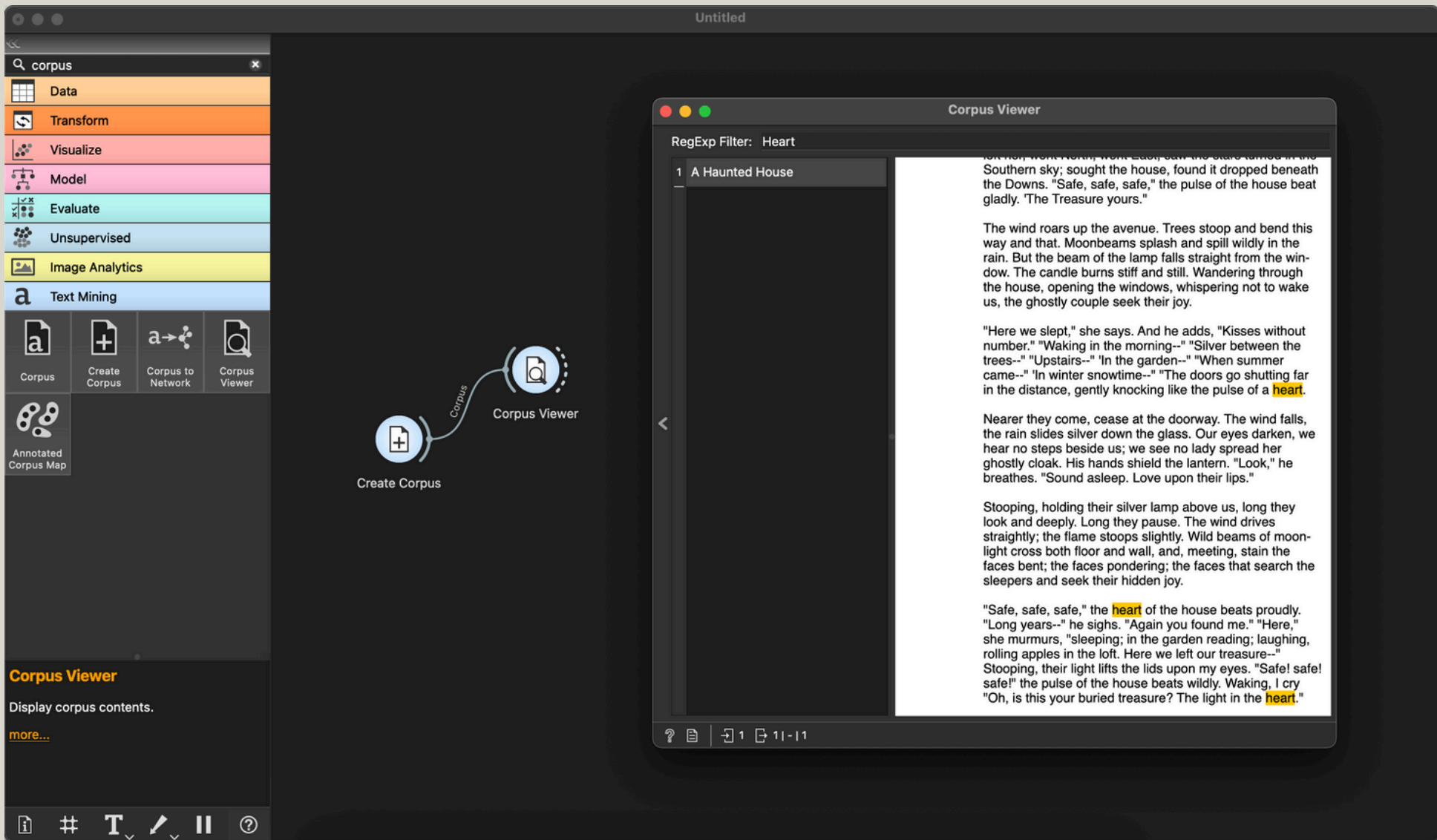
But they had found it in the drawing room. Not that one could ever see them. The windowpanes reflected apples, reflected roses; all the leaves were green in the glass. If they moved in the drawing room, the apple only turned its yellow side. Yet, the moment after, if the door was opened, spread about the floor, hung upon the walls, pendant from the ceiling--what? My hands were empty. The shadow of a thrush crossed the carpet; from the deepest wells of silence the wood pigeon drew its bubble of sound. "Safe, safe, safe" the pulse of the house beat softly. "The treasure buried; the room . . ." the pulse stopped short. Oh, was that the buried treasure?

A moment later the light had faded. Out in the garden then? But the trees spun darkness for a wandering beam of sun. So fine, so rare, coolly sunk beneath the surface the beam!

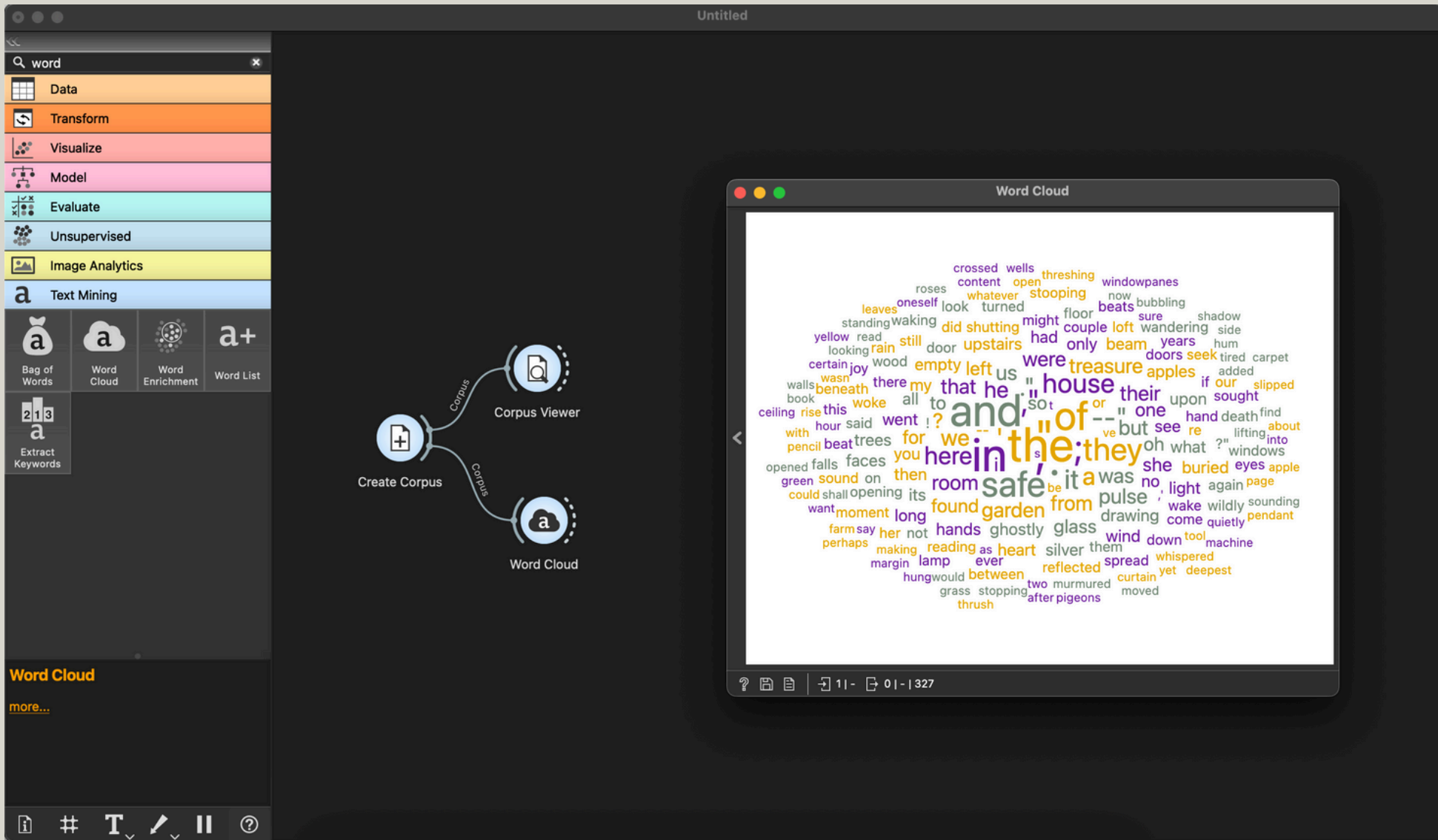
Add document ☒ Apply Automatically

? | 1

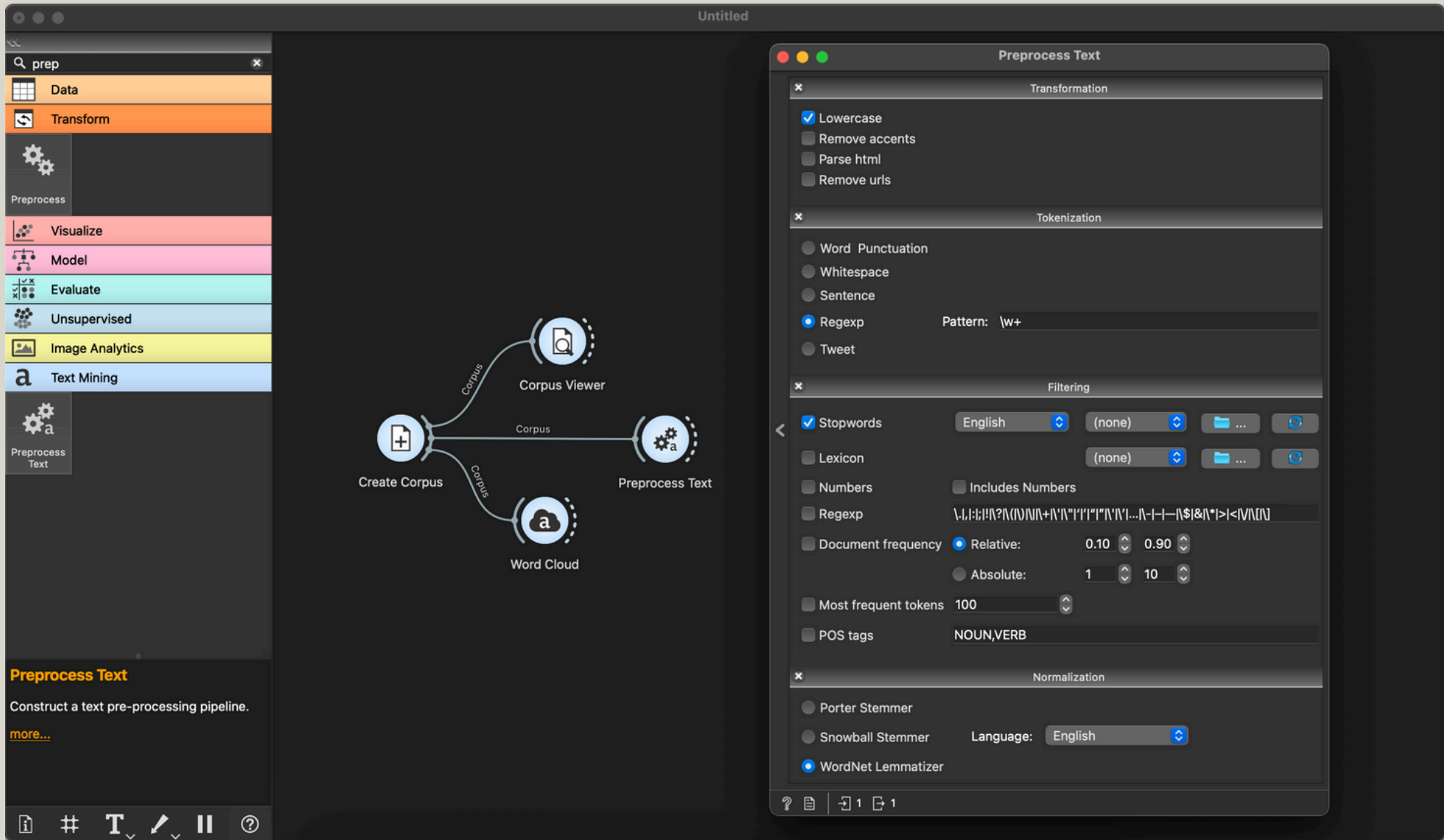
### Step 4: Visualize Text with Corpus Viewer



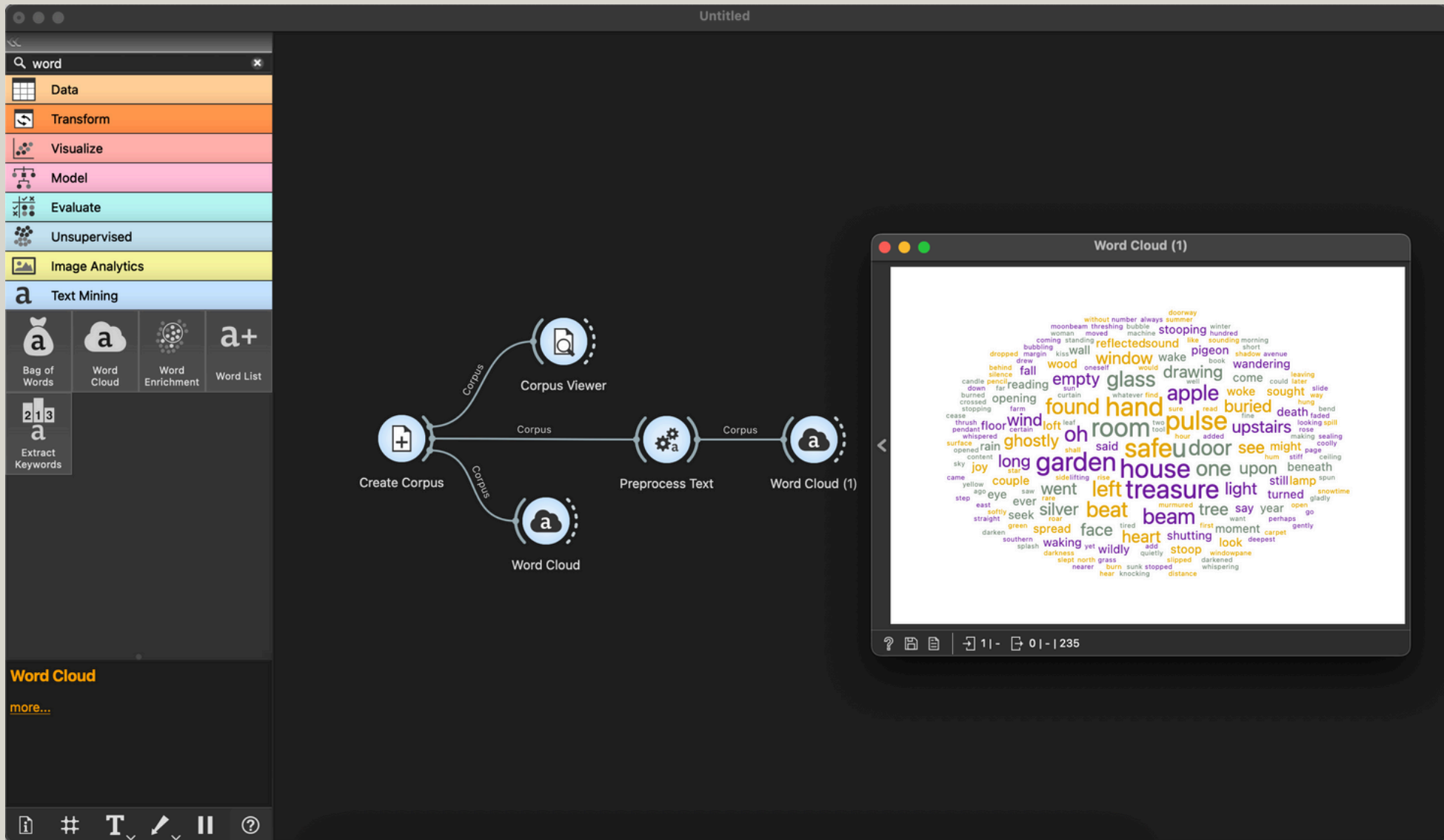
### Step 5: Visualize Word Frequencies with Word Cloud



## Step 6: Preprocess Text



### Step 7: Visualize Cleaned Text with Word Cloud



*By Lyba Fathima*

12-A