*Orange* (https://orange.biolab.si) is a data mining tool that features a process and analysis workflow using widgets. The "connect the widgets" approach allows users to analyze data without requiring programming skills or in-depth knowledge of statistics.



The goal of the Digitorium *Orange* sessions will be to familiarize you with the process of analyzing the content of tweets. In order to make this learning experience focused, this installation of *Orange* should be completed prior to the beginning of Digitorium.

Also, please download the sample data file: http://chdr.cah.ucf.edu/Tweet-Profiled-ReadyForOrange.xlsx

## Install Orange and the Text Add-on

We will be using the basic functionality of the program along with the Text add-on. *Orange* is available for Windows, Mac, and Linux, and the installation is straightforward.

Navigate to: https://orange.biolab.si/download

At the top of the page are the links to the installers for the various operating systems.



Orange Installer Options

Select the appropriate installer for your operating system to save the installer to your computer.

**Launch** the installer. The installation wizard will move you through the various steps and allow you to adjust a few options. The sequence of screens for a Windows installation is shown below.



Welcome Screen – Click Next

🥺 Orange-3.25.0 Setup – 🗆 🗙
License Agreement
Please review the license terms before installing Orange-3.25.0.
Press Page Down to see the rest of the agreement.
Advowledgments and License Agreement
Copyright (c) 2016 Bioinformatics Laboratory, University of Ljubljana, Faculty of Computer and Information Science
All rights reserved.
THIS SOFTWARE IS PROVIDED "AS IS", WITHOUT ANY WARRANTY WHATSOEVER.
If you use or redistribute this software, you are permitted to do so $\checkmark$
If you accept the terms of the agreement, dick I Agree to continue. You must accept the agreement to install Orange-3.25.0.
Nullsoft Install System v3.04
< Back I Agree Cancel

Licensing Screen - Click I Agree

Choose which features of Orar	nge-3.25.0 you want to install.		Ø
Check the components you wa install. Click Next to continue.	nt to install and uncheck the components you	don't want	t to
Select components to install:	Anaconda python distribution (alreading)	ady installe	d)
Space required: 330.2 MB	Description Position your mouse over a component to description.	see its	

*Choose Components* – If your computer does not have Anaconda installed, that checkbox will be selected and the installation will include those components. Click **Next** 

🥶 Orange-3.25.0 Setup		_		×
Choose Install Location				
Choose the folder in which to install Orange-3.25.0.				<b>7</b>
Setup will install Orange-3.25.0 in the following folder. To insta Browse and select another folder. Click Next to continue.	II in a diff	erent fo	older, click	
Destination Folder				
Deschadorriolaei				_
C·\  Isers\agirguy\AppData\  gca\\Orange	_	Bros	NSP	
C:\Users\agiroux\AppData\Local\Orange		Brow	wse	
C:\Users\agiroux\AppData\Local\Orange Space required: 330.2 MB		Brov	wse	
C:\Users\agiroux\AppData\Local\Orange Space required: 330.2 MB Space available: 17.9 GB		Brov	wse	
C:\Users\agiroux\AppData\Local\Orange Space required: 330.2 MB Space available: 17.9 GB Nullsoft Install System v3.04		Brov	wse	

*Installation Location* – Typically leave the default unless you need to install it on another drive. Click **Next** 

🤕 Orange-3.25.0 Setup	-		$\times$
Choose Start Menu Folder Choose a Start Menu folder for the Orange-3.25.0 shortcuts.			ø
Select the Start Menu folder in which you would like to create the prog can also enter a name to create a new folder.	ram's sho	ortcuts. Ye	DU
Accessibility Accessories Administrative Tools Allenware Anaconda3 (64-bit) Cisco Dell IngBurn			^
Maintenance Microsoft Endpoint Manager Microsoft Silverlight Microsoft Visual Studio 2017 Tools for Unity Nullsoft Install System v3.04			*
< Back Ins	atall	Car	icel

Start Menu – leave these options as is and click Install

🤕 Orange-3.25.0 Setup	_	
Installing Please wait while Orange-3.25.0 is being installed.		<u>@</u>
Installing packages (this might take a while)		
Show details		
Nullsoft Install System v3.04		
< Back	Next >	Cancel

Progress Bar - let the installation run to completion

Orange-3.25.0 Setup					_		$\times$
Installation Complete							
Setup was completed successfully.							అ
Completed							
Show details							
Jullsoft Install System v3.04	_		_			_	
		< Back		Next	>	C	Cancel

*Installation Complete* – click **Next** 



Completion Screen – select Finish

Once you select Finish, Orange will launch.



Orange first time launch – Uncheck show at startup and X out of the Welcome window. You may also see small prompts about viewing video tutorials and opting in to anonymous data collection. Answer those prompts in whichever manner you wish.



Add-ons – Click on the Options menu and select Add-ons...

Iter       Add more         Name       Version       Action         Orange3-Network       1.5.0         Orange3-Prototypes       0.12.0         Orange3-SingleCell       1.3.0         Orange3-Spectroscopy       0.5.3         Orange3-Text       0.9.1         Install       Orange3-Textable         Orange3-Textable       3.1.5         Orange3-Timeseries       0.3.6         Orange3       3.25.0 < 3.25.1	Au	d-ons			?	×
Name       Version       Action         Orange3-Network       1.5.0	ter	•			Add mo	ore
Orange3-Network       1.5.0         Orange3-Prototypes       0.12.0         Orange3-SingleCell       1.3.0         Orange3-Spectroscopy       0.5.3         Orange3-Text       0.9.1         Install       0range3-Textable         Orange3-Timeseries       0.3.6         Orange3       3.25.0 < 3.25.1		Name	Version	Action		
Orange3-Prototypes       0.12.0         Orange3-SingleCell       1.3.0         Orange-Spectroscopy       0.5.3         Orange3-Text       0.9.1         Install       0range3-Textable         Orange3-Timeseries       0.3.6         Orange3       3.25.0 < 3.25.1	]	Orange3-Network	1.5.0			
Orange3-SingleCell       1.3.0         Orange-Spectroscopy       0.5.3         Orange3-Text       0.9.1         Install       Orange3-Textable         Orange3-Textable       3.1.5         Orange3       0.3.6         Orange3       3.25.0 < 3.25.1	]	Orange3-Prototypes	0.12.0			
Orange-Spectroscopy       0.5.3         Orange3-Text       0.9.1       Install         Orange3-Textable       3.1.5         Orange3-Timeseries       0.3.6         Orange3       3.25.0 < 3.25.1		Orange3-SingleCell	1.3.0			
Orange3-Text       0.9.1       Install         Orange3-Textable       3.1.5         Orange3-Timeseries       0.3.6         Orange3       3.25.0 < 3.25.1	]	Orange-Spectroscopy	0.5.3			
Orange3-Textable       3.1.5         Orange3-Timeseries       0.3.6         Orange3       3.25.0 < 3.25.1	•	Orange3-Text	0.9.1	Install		
Orange3-Timeseries       0.3.6         Orange3       3.25.0 < 3.25.1	]	Orange3-Textable	3.1.5			
Orange3       3.25.0 < 3.25.1		Orange3-Timeseries	0.3.6			
<b>Orange3 Text</b> range add-on for text mining. It provides access to publicly available data, like NY Times, Twitter id PubMed. Further, it provides tools for preprocessing, constructing vector spaces (like bag-of- ords, topic modeling and word2vec) and visualizations like word cloud end geo map. All features in be combined with powerful data mining techniques from the Orange data mining framework.	]	Orange3	3.25.0 < 3.25.1			
	rang	e add-on for text mining. It pi		Text	(Times Twitt	

Text Add-on - Scroll down to the Orange3-Text add-on, check the box, and click on OK

You will see a progress bar as the add-on is installed (it may take a while). When the installation is completed you will see a dialog asking you to restart Orange.



Orange restart

This is **not** an automatic restart. You must close Orange and reopen the program.

## This completes your installation of Orange and the Text Add-on.