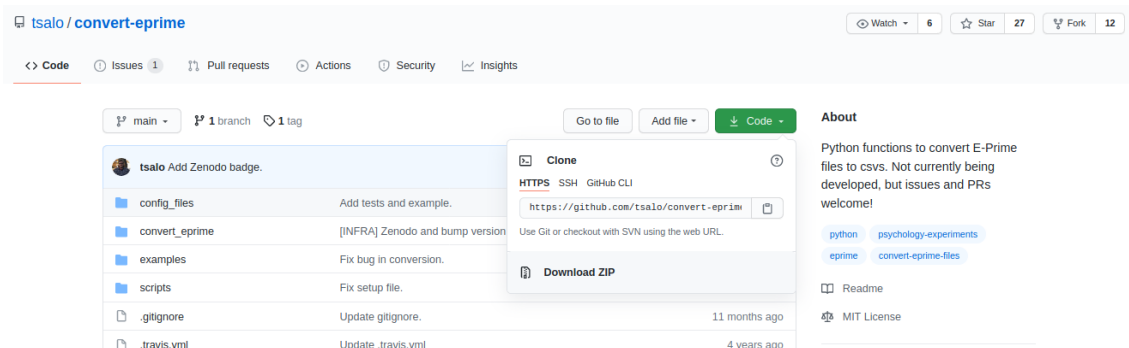


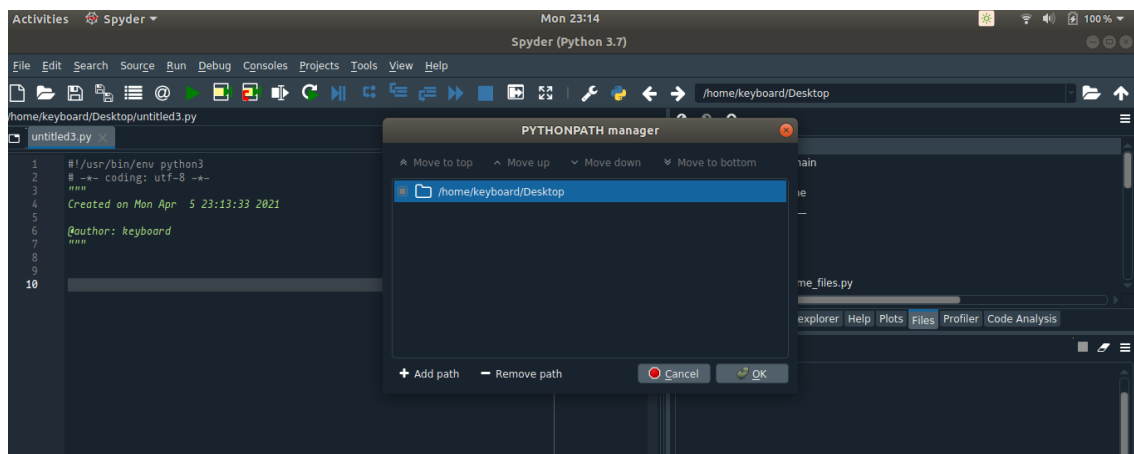
ePRIME .txt to .csv converter

- ePRIME spits out an edat file once the paradigm successfully exits. It also generates a .txt file. If paradigm stops (for numerous reasons), we end up with a .txt file. .edat files can be exported manually (one by one, till all our hairs turn white) to csv or tab separated formats. At times these files need some extra pre-processing to work!
 - [Taylor Salo](#) wrote a neat converter using python 🐍 to do these conversions
 - This is very useful to extract metadata which can be used for behavioural data analysis (Reaction time, accuracy etc.), marker extraction and lot more
- **Below is a short tutorial on doing bulk conversions**

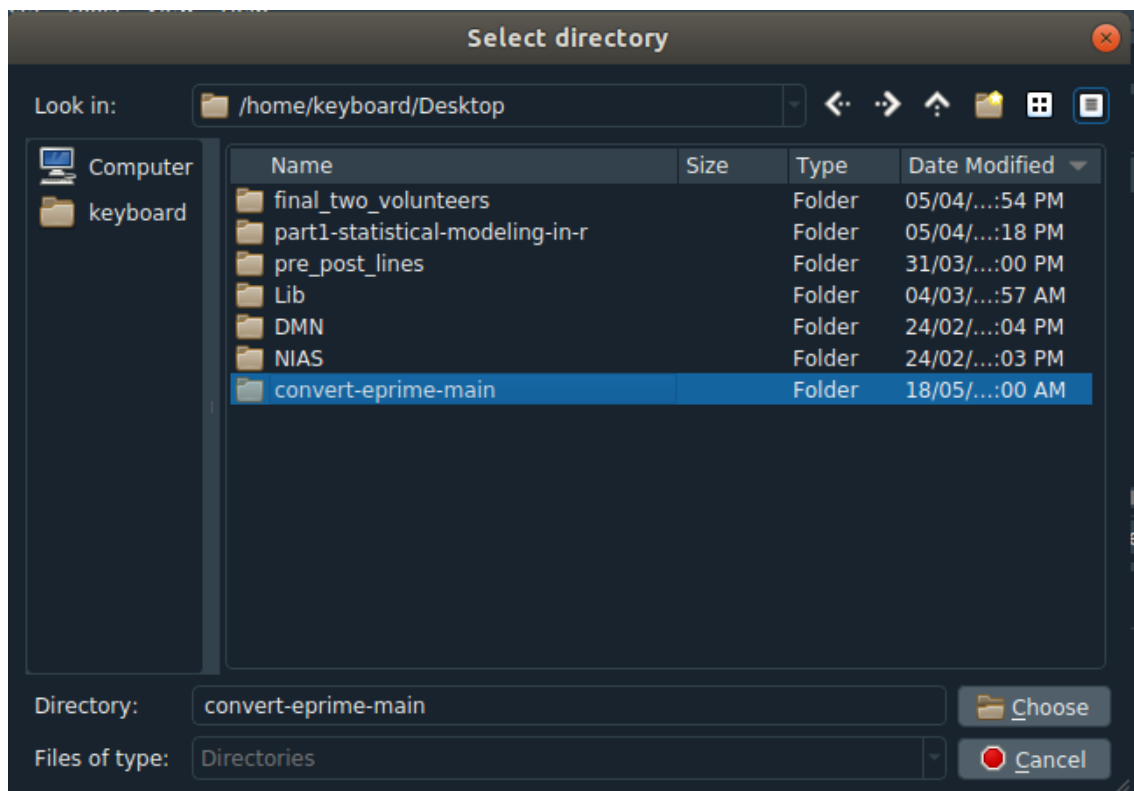
1. Download the repository [convert-eprime](#)



2. Extract the zipped folder to some location in your system
3. Open spyder 🐍 and click ➕ Add path from PYTHONPATH manager



4. Navigate to the unzipped folder and **choose** the convert-eprime-main folder



5. Now, we are set to convert the files to .csv. Code snippet is below

```
from convert_eprime.convert import text_to_csv
in_file = 'subj0001_stop_signal_task-0.txt'
out_file = 'subj0001_0.csv'

text_to_csv(in_file, out_file)
# The converted .csv file will be available in the same
folder/directory from which we ran the script
```

- The text file and the converted .csv file

```

*** LogFrame Start ***
Procedure: PracticeProc
faceabsent: 26
imageabsent: faa26
sounddist: 1
sounddistfile: std
alternatestim: 1
stimoption: cb
left: faa26
right: cb
response: 1
visualdistcondition: top
visualdistmarker: 253
stimcondition: LeftFaceAbsentFreq
stimmarker: 118
corollarycondition: cdon
corollarymarker: 246
corollaryfile: corollary
alternatesound: 1
soundpresent: std
sounddistmarker: 220
PracticeListWhodunnit: 1
CellNumber: 2
leftfaceCDpractice: 1
CD: 1
Running: PracticeListWhodunnit
PracticeListWhodunnit.Cycle: 1
PracticeListWhodunnit.Sample: 1
TotalTrialDuration: 1591
ResponseDuration: 700
PreStimDuration: 600
PreStim1Duration: 386
PreStim2Duration: 120

```

Converted .csv file

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Procedure	faceabsent	imageabsent	sounddist	sounddistfile	alternatestim	stimoption	left	right	response	visualdistcondition	visualdistmarker	stimcondition	stimmarker	corollarycondi
2	PracticeProc	26 faa26		1 std		1 cb	faa26	cb		1 top		253 LeftFaceAbsentFreq	118 cdon		
3	PracticeProc	28 faa28		2 blank		1 cb	faa28	cb		1 top		253 LeftFaceAbsentFreq	118 cdon		
4	PracticeProc	3 faa03		2 blank		1 cb	faa03	cb		1 top		253 LeftFaceAbsentFreq	118 nocd		
5	PracticeProc	11 faa11		1 std		1 cb	faa11	cb		1 top		253 LeftFaceAbsentFreq	118 cdoff		
6	PracticeProc	21 faa21		2 blank		1 cb	faa21	cb		1 top		253 LeftFaceAbsentFreq	118 nocd		
7	PracticeProc	19 faa19		2 blank		1 cb	cb	faa19		5 bottom		254 RightFaceAbsentRare	127 cdon		
8	PracticeProc	23 faa23		1 std		1 cb	faa23	cb		1 top		253 LeftFaceAbsentFreq	118 cdoff		
9	PracticeProc	29 faa29		2 blank		1 cb	faa29	cb		1 top		253 LeftFaceAbsentFreq	118 cdon		
10	PracticeProc	12 faa12		2 blank		1 cb	faa12	cb		1 top		253 LeftFaceAbsentFreq	118 nocd		
11	PracticeProc	2 faa02		1 deviant		1 cb	faa02	cb		1 top		253 LeftFaceAbsentFreq	118 cdoff		
12	PracticeProc			2 blank						gray		219 baseline	250 baseline		
13	PracticeProc			2 blank						gray		219 baseline	250 baseline		
14	PracticeProc			1 std						gray		219 baseline	250 baseline		
15	PracticeWhodunnit														
16	TrialProc			2 blank		1 cb	fpa18	cb		1 top		253 LeftFacePresentFreq	116 cdon		
17	TrialProc			2 blank		1 cb	fpa15	cb		1 top		253 LeftFacePresentFreq	116 cdon		
18	TrialProc			1 std		1 cb	fpa22	cb		1 top		253 LeftFacePresentFreq	116 nocd		
19	TrialProc			2 blank		1 cb	fpa09	cb		1 top		253 LeftFacePresentFreq	116 cdon		
20	TrialProc	30 faa30		2 blank		1 cb	cb	faa30		5 bottom		254 RightFaceAbsentRare	127 cdon		
21	TrialProc			1 deviant		1 cb	fpa23	cb		1 bottom		254 LeftFacePresentFreq	116 cdoff		
22	TrialProc			2 blank		1 cb	fpa17	cb		1 bottom		254 LeftFacePresentFreq	116 nocd		
23	TrialProc			2 blank		1 cb	fpa02	cb		1 bottom		254 LeftFacePresentFreq	116 cdon		
24	TrialProc			1 std		1 cb	fpa10	cb		1 bottom		254 LeftFacePresentFreq	116 cdon		
25	TrialProc			2 blank		1 cb	fpa01	cb		1 bottom		254 LeftFacePresentFreq	116 cdoff		
26	TrialProc			2 blank		1 cb	cb	fpa06		5 bottom		254 RightFacePresentRare	125 cdon		
27	TrialProc			1 deviant		1 cb	fpa14	cb		1 top		253 LeftFacePresentFreq	116 cdon		
28	TrialProc			2 blank		1 cb	fpa28	cb		1 top		253 LeftFacePresentFreq	116 nocd		
29	TrialProc			2 blank		1 cb	fpa19	cb		1 top		253 LeftFacePresentFreq	116 cdoff		
30	TrialProc			1 std		1 cb	fpa04	cb		1 top		253 LeftFacePresentFreq	116 nocd		

- We can subset this one to get trial accuracy and reaction times using R/Python

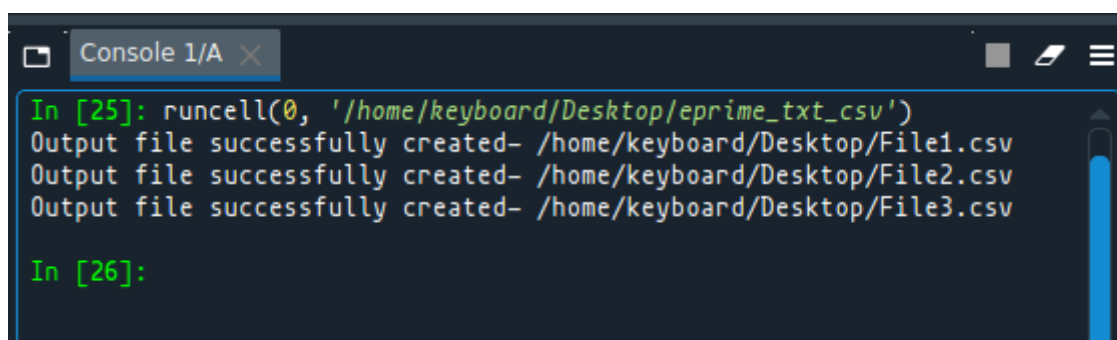
- The code snippet below is a wrapper to do bulk conversion of text files generated by ePRIME. Same filename is borrowed for .csv files!

```
#!/usr/bin/env python3
# -*- coding: utf-8 -*-
"""
Created on Mon Apr  5 23:18:10 2021
@author: Rahul Venugopal
Just a wrapper to automate bulk converting .txt files to .csv
files
"""
# Loading library
from convert_eprime.convert import text_to_csv
from tkinter.filedialog import askopenfilenames
from tkinter import Tk
Tk().withdraw() # we don't want a full GUI, so keep the root
window from appearing

# Selecting multiple text files using GUI
filelist = askopenfilenames(initialdir = "cwd",title = "Select
file",
                                filetypes = (("Text
file","*.txt"),
                                              ("All files","*.*")))

for file in filelist:
    in_file = file
    out_file = in_file[0:-3]+str('csv')
    text_to_csv(in_file, out_file)
```

Just run the code, select multiple text files and press **OK**



```
Console 1/A x
In [25]: runcell(0, '/home/keyboard/Desktop/eprime_txt_csv')
Output file successfully created- /home/keyboard/Desktop/File1.csv
Output file successfully created- /home/keyboard/Desktop/File2.csv
Output file successfully created- /home/keyboard/Desktop/File3.csv

In [26]:
```

Fin.
