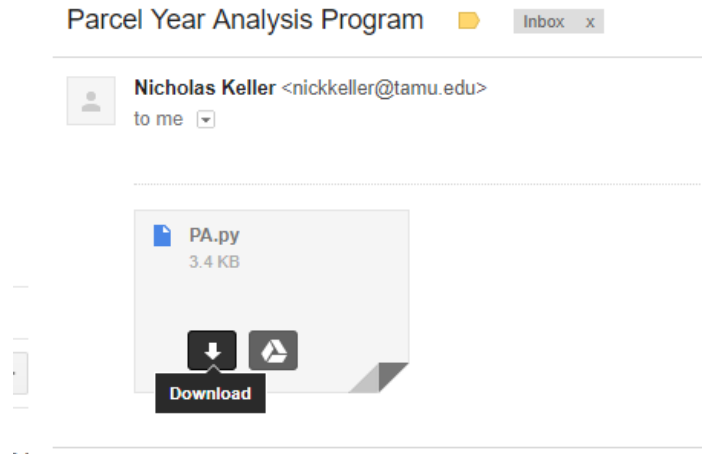
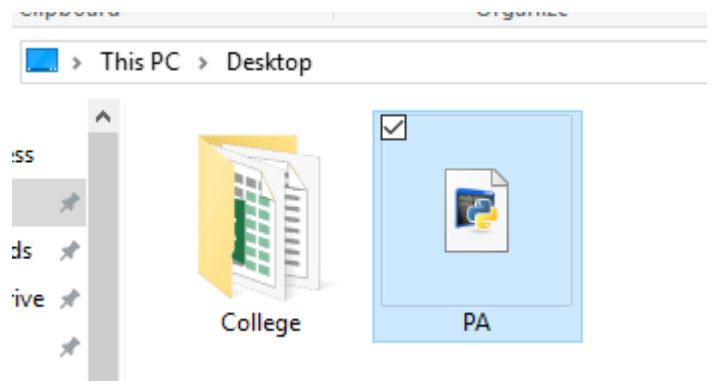


# Downloading the File

1. Download the PA.py file from the email

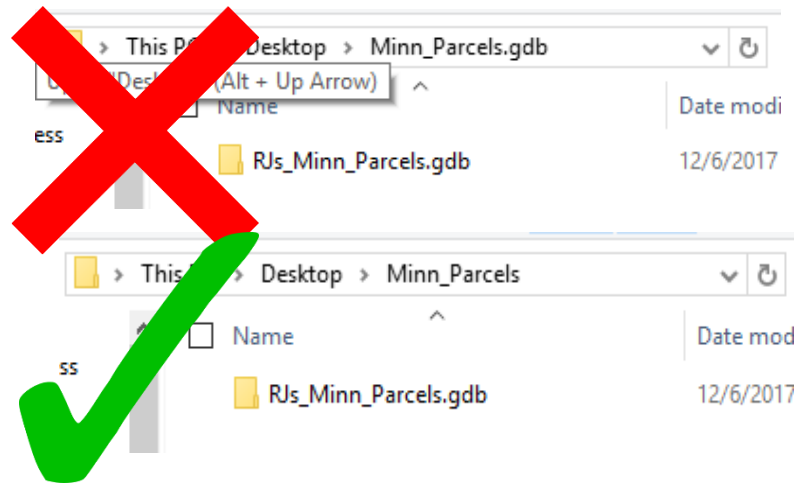


2. Move the file somewhere known (ex: Desktop)

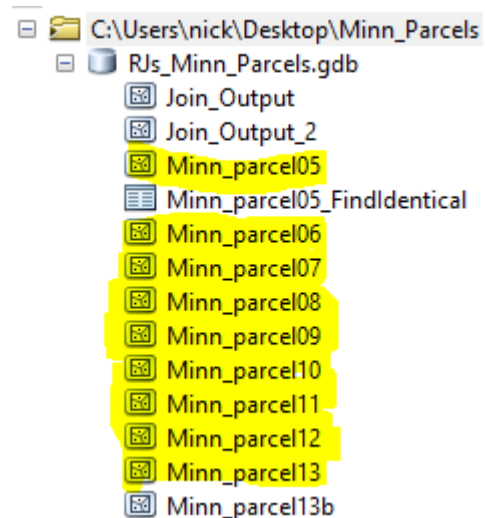


## Before Using the Program

1. Make a geodatabase of only the parcels you want to analyze
2. Make sure the database is NOT inside of another folder that ends in .gdb

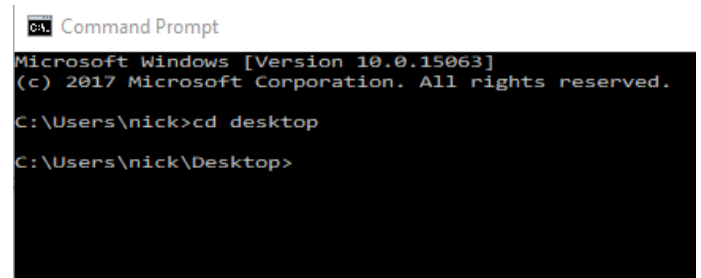


3. For the program to work the parcel data that you want analyzed must end in “\_parcel” and the last 2 digits of the year the data is from



# Using the Program

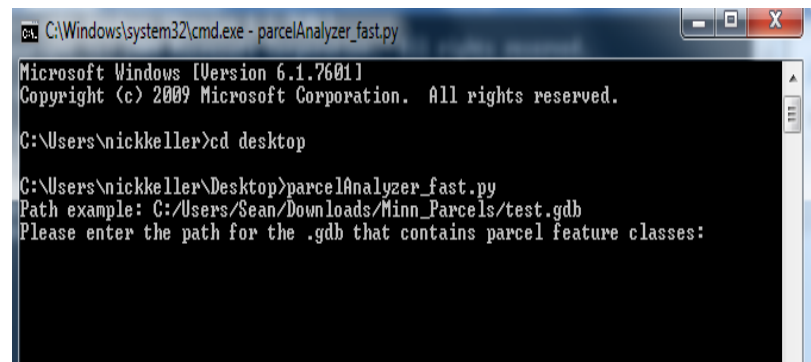
1. Open up the command window by typing cmd into the search bar. Then type cd then the file path of where the PA.py file is located into the command prompt then press enter



```
C:\ Command Prompt
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.


C:\Users\nick>cd desktop
C:\Users\nick\Desktop>
```

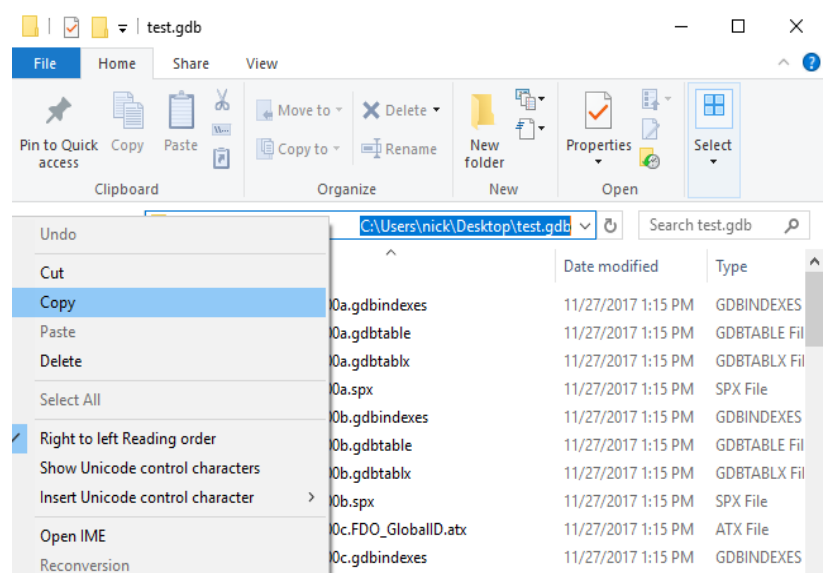
2. Type the name of the python file "PA.py" then press enter



```
C:\Windows\system32\cmd.exe - parcelAnalyzer_fast.py
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\nickkeller>cd desktop
C:\Users\nickkeller\Desktop>parcelAnalyzer_fast.py
Path example: C:/Users/Sean/Downloads/Minn_Parcels/test.gdb
Please enter the path for the .gdb that contains parcel feature classes:
```

3. The program will ask for the file path of the geodatabase you are trying to analyze. Open the location of it in  File Explorer and copy the directory



4. Paste this into the command window and press enter

```
Command Prompt - parcelAnalyzer_fast.py

(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\nick>cd desktop

C:\Users\nick\Desktop>parcelAnalyzer_fast.py
Path example: C:\Users\Sean\Downloads\Minn_Parcels\test.gdb
Please enter the path for the .gdb that contains parcel feature classes:
C:\Users\nick\Desktop\test.gdb
Please specify the name of the output csv:
```

5. The program will ask what you want to name the output csv file. This can be whatever you would like just do not specify the file extension. Press enter after you name it and the program should run and create a csv file inside of the geodatabase you are analyzing

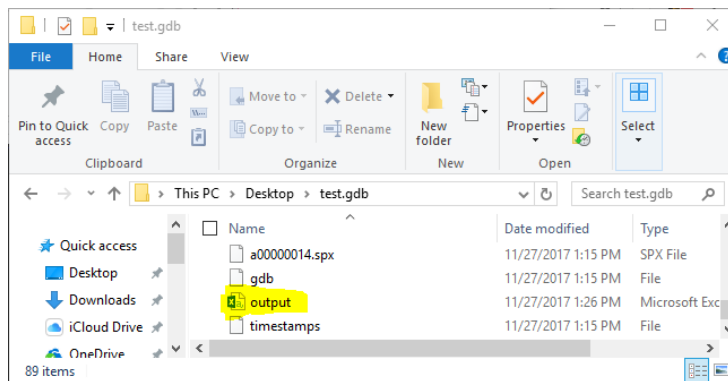
```
Command Prompt

C:\Users\nick>cd desktop

C:\Users\nick\Desktop>parcelAnalyzer_fast.py
Path example: C:\Users\Sean\Downloads\Minn_Parcels\test.gdb
Please enter the path for the .gdb that contains parcel feature classes:
C:\Users\nick\Desktop\test.gdb
Please specify the name of the output csv: output
Processing MinnTEST_parcel06...
Processing MinnTEST_parcel07...
Processing MinnTEST_parcel08...
Processing MinnTEST_parcel09...
Processing MinnTEST_parcel10...
Processing MinnTEST_parcel11...
Processing MinnTEST_parcel12...
Processing MinnTEST_parcel13...
Processing MinnTEST_parcel14...
Processing MinnTEST_parcel15...
Finding vacant years....
Calculating vacancy periods for each parcel....

All done! The .csv is located in the input geodatabase. Thanks!

C:\Users\nick\Desktop>
```



output - Excel

?

FILE

HOME

INSERT

PAGE L

FORMU

DATA

REVIEW

VIEW

Clipboard

Font

Alignment

Number

Conditional Formatting

Format as Table

Cell Styles

Styles

A1	:				053-010284110001	
	A	B	C	D	E	F
1	053-01028	2006	10			
2	053-01028	2006	10			
3	053-01028	2006	10			
4						
5						

