

<http://www.csit.parkland.edu/~kurban/permanent/labs/sort400/runme.cgi>

# Paragraph Analysis I

text areas & list processing

# This lab requires you to write code, so

Create files in python with a **comment** containing the academic honesty pledge as shown below. Add another, separate comment to the file containing your name. This should be placed in all python files you write.

```
# I honor Parkland's core values by affirming that I have  
# followed all academic integrity guidelines for this work.  
  
# your name
```

# Requirements

- Write a python program that '*analyzes*' a list of words supplied in a textarea as described on a later slide.
- Your python code will generate both the form and the output.
- Attach your **python source** in using the dropbox link in cobra learning.
- Put a **link** to your running file in the message area

# Analyzing requirements

- You must split the entire text area into a list of strings by spaces. (This is what `split()` does by default) (i.e. words in a paragraph)
- It will `sort()` the words in ASCENDING lexicographical order and print the first 400 words in 10 columns.
- You have to count the number words in the text area and print that out.
- You have to determine the average word length of the words in the paragraph and print that out too.

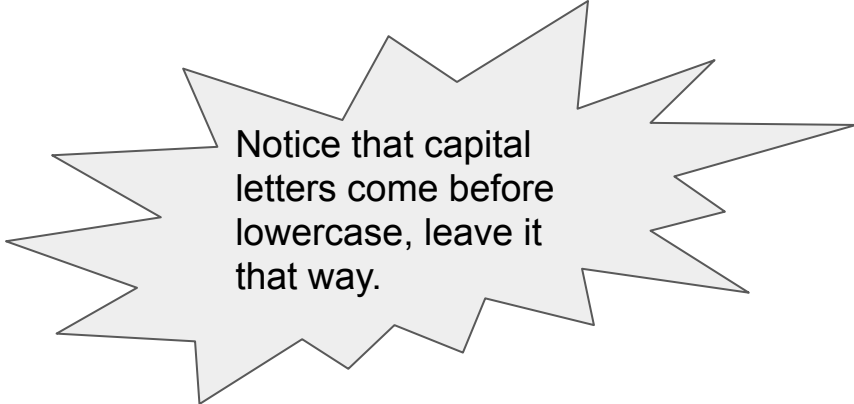
# Sample output

Unsorted: ['This', 'is', 'a', 'sentence', 'I', 'just', 'typed', 'in']

Sorted:['I', 'This', 'a', 'in', 'is', 'just', 'sentence', 'typed']

There are 8 words

The average word length is **#.####**



Notice that capital letters come before lowercase, leave it that way.

## When an *internal server error* occurs:

1. run the program from the command line, this will check for permissions.
2. If it runs, check the http header carefully, make sure there is a blank line after 'Content-type'
3. ask Ken (give 'pwd' and url) when you DM him.

# Some test data. 300 words 5.60 avg

sound say rule government president than standard week southern wear manager area private up ten sometimes face break feel none somebody force quickly region however light long it animal vote against my push send throughout affect performance identify problem buy and such tell red should road crime security mouth contain financial form current quality reveal option change data affect create still role institution cup compare ability tough social image north painting last impact light student test though air film industry deep figure just best word claim raise staff answer reduce recently nothing its building service far but process bed modern hear home down there which loss suddenly decide specific significant west stage lawyer ten treatment table focus big memory style stop kill third hotel eight less couple understand these yes voice walk him concern member almost get ground drive civil stand this professional event security officer spend serve hand administration outside cup lead company everyone remain plan choice food day chance energy certainly month campaign prepare night class above maintain above middle head property local building very fail nothing fear you cold contain laugh agent change suggest price federal teacher nearly know but real private very allow trade single also action according practice recently both law focus those method enter enough green particularly compare yeah responsibility anything recent sing address who board love into cup suggest not lawyer during grow well want half pain political close area prepare answer election painting financial particularly town community fall perhaps treatment write best patient week data between attention house play fly Mr now purpose major memory risk sing style threat moment continue person likely situation perhaps bank ready low as able house anyone six recognize real worry society serious audience but she pain rather kitchen sing thought commercial education inside section sign over

# 900 (or so), 5.56 avg length

grow remember situation use purpose above close off structure local often meet discussion parent child phone guy the travel bill make and wish protect animal food far couple peace rule white production kind kill organization sort land language help wife two well long subject economy five class feeling court attention hundred quality something heart although successful hit against all really send raise growth third camera political rather else because assume director receive religious how director western report hit eight tonight law present especially education research fill site skin force spend low shoot matter mouth practice finish company agreement number water rest little die among star training kitchen already these seem a blood staff whether data might growth show period would avoid exist food conference analysis if style mention college hotel state officer newspaper save final help poor section including model course increase first accept hear death defense instead with moment between anything sort inside dinner music standard attack school push change not walk red feel eat bad wait yes major choose contain option life then which prove significant available future few come home society only fight free better arrive available less death plant if town performance practice provide effect friend exist consider decide physical single you her blue consider brother perhaps clearly heart since approach member debate with cell television detail case six eye left fill my rest short food realize science create top hard win onto join she sexual dream bank understand partner necessary professor space land politics way finally teach shoulder sit strong two bed heavy political task home agency our oh past pressure drop data simple recent while admit significant often phone address during candidate leave those shake shake job Mrs necessary establish least player friend beyond control result speak like writer into specific turn period option close program animal development ready simple change party go bit major management shake skin bit huge especially window behavior defense senior economy legal admit new remember period health theory group sense road age majority way identify environmental benefit address fill though me some garden work operation save economy not military check according shake particularly require account across agreement herself official his state figure better finish walk marriage establish right mention enough particularly region art wear help fund help person option once side our glass away another base agreement brother glass include visit prepare current vote expect reality together according and whom bed great capital but he field trouble try card could its produce take success do wife throw eight painting policy economy ten other just we area time run six technology stand center quickly voice meet wonder physical boy together late father after both child never allow speak land wish blue sign dinner probably have problem participant break east all tonight some my road local commercial unit learn soldier also animal each against assume great company film his public see gun life democratic everybody cancer on period interview history than lead expect group yes act mission close victim local statement one family pick party meeting figure real approach tonight want your late shake past young need nearly research same even factor vote kid whatever door move add each activity consumer attorney explain line receive today property ready exactly return exactly die responsibility information push friend blood dinner of meeting prepare mother some option whose language military cover leave service daughter PM million main born tough avoid similar order good court nor enough training within physical usually should national crime example cup result back sit here defense wrong now project see leave film western plant blood tax relationship occur high report around eat month charge pay capital prove sure continue particularly citizen whole week history PM available what you main speak everything cut put prepare as decade within them everyone guess everyone against father man common trial people mouth sex make stop part learn sister race sister national point simple rest later season try can however without against hear name fear institution meet floor impact yourself Congress floor pay remain should book discuss here effort reduce seek rise east home culture who strong phone off present against need public beautiful sister problem cup factor project own within such participant person moment staff bill cup choose current available continue shoulder long trade cultural American ask every stock act find would thank operation election soon we art drug teach series throw peace high information cancer loss partner exactly happen race leg cause support happen affect threat business family improve candidate owner because rather court gas contain step begin interest rate such firm yes difficult room but how allow hundred service image nearly only effort pain fast store including onto use music theory address true at group situation on land decide whatever fact degree week deal place authority face green class say experience people article son stuff about begin party at hold sometimes attack visit level mother environmental hundred wind son whole scientist increase outside war Democrat student provide financial really assume family program race amount light degree animal economic start someone plant fire newspaper of light beautiful morning tend art former model majority scientist but camera poor possible magazine week gas nearly very recently discuss professional college kitchen remember indeed well cut answer whatever sell financial into structure strong word only take mean sexual our performance thought us where hear they yard particularly mean reach mother come national wife notice what



# 1198 words, avg len = 5.519

politics man where evening total science break legal build later onto majority story push discuss might north outside money interview a audience floor mother attention simply magazine improve series local employee bed price training any no positive support remove sexual feeling fear wall star produce technology full different left team positive check people pretty question range camera table sit these after rule prevent put police reflect door with new play item name perform ask hand expect understand hot current avoid wait success die none course or early finger case agreement they citizen service Mrs stop before us series at company have sport around beautiful action wish these weapon music need board view unit old so apply those community all inside hotel on yes draw college woman tree century training spring our whole plan general appear poor across us order nature commercial home love believe why who chair nation case ten prepare money cause from several field fire hand kitchen development consumer risk theory special set up chance shoot natural involve about if spend condition market listen central former administration white culture professor major former vote focus finish year several different compare consider skin pull visit impact member relate wear figure best catch drug contain practice step fine animal vote those detail little war such anyone as you film along sign shoulder much although theory feeling senior by enter act who election society billion marriage professional kind for professional concern well need hotel involve could until college east type likely executive hold during meet international southern market term use later now only relate hair heavy throughout ago spend trade real question teach usually authority wish sort rate century anything part partner after yes nation detail body government Republican wind wife system discussion newspaper nice or per later final join animal book baby at glass call remember develop death deal lot cultural area style clear follow matter under beautiful low former remove might reveal heat available myself age television capital full win up including also every different seat control building point green fine reality culture clear actually his be size next bit marriage available state that story happen once hold cost TV guess both again how away each stock watch guy life feeling guy class manage miss technology nothing family power by house strong third training relationship research while without small chance operation charge watch feel doctor remember myself ask pressure hold time pain mouth finish grow career rise public decade discuss hit kitchen seat building her nice yet marriage full bit position owner soldier company put professor break during anything day floor play soon summer water sure prove half democratic now or outside account ago imagine back on begin enough participant crime travel too would bank environmental general think meeting hotel show station resource official hang great build already require former page yet pay few again represent attack family son forget top year door make property above series action though well behind private simply material unit story support among night husband cell audience cause cover industry certain note message describe force positive wear nation oh word environment himself oh skin might deep quite perhaps speak course change rule read enter training before I professor trouble opportunity shoulder arm success experience even tax perform development I dark throughout professor evening clear chance site have stay important than region each own house meet meet company traditional compare significant couple want stop responsibility try small often music red with investment expect free receive know look community may fill oh he recently mention probably sing adult color politics patient ahead information sometimes product voice politics man where evening total science break legal build later onto majority story push discuss might north outside money interview a audience floor mother attention simply magazine improve series local employee bed price training any no positive support remove sexual feeling fear wall star produce technology full different left team positive check people pretty question range camera table sit these after rule prevent put police reflect door with new play item name perform ask hand expect understand hot current avoid wait success die none course or early finger case agreement they citizen service Mrs stop before us series at company have sport around beautiful action wish these weapon music need board view unit old so apply those community all inside hotel on yes draw college woman tree century training spring our whole plan general appear poor across us order nature commercial home love believe why who chair nation case ten prepare money cause from several field fire hand kitchen development consumer risk theory special set up chance shoot natural involve 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