```
C:\Users\vasur\Documents\GitHub\COMP6791\FinalProject\venv\Scripts\python
.exe C:/Users/vasur/Documents/GitHub/COMP6791/FinalProject/main.py

=> [If you want to use "Default" the just press Enter]

Do you want to run crawler? (otherwise, we will use data.json from
previous run) [Default:No]:

Enter How many term you want to print per cluster? [Default:50]:


▯ Clustering with K as: 3
Top terms per cluster:

===> Cluster:0
des
et
sur
tudes
cours
les
cole
la
tudiants
aux
le
autres
sup
coll
universit
rieures
coles
ges
calendrier
annuaire
concordia
nous
pour
campus
cycle
au
tudiantes
qu
en
1er
curit
gestion
tout
universitaire
emploi
ressources
ou
soutien
```

 activit
 al
 montr
 inscription
 ouest
 voir
 nouvelles
 bec
 sant
 nie
 avis
 carte

 ===> Cluster:1
 concordia
 school
 calendar
 graduate
 campus
 student
 academic
 university
 class
 science
 colleges
 schools
 students
 services
 media
 arts
 links
 quick
 undergraduate
 events
 research
 resources
 new
 opportunities
 centre
 quebec
 study
 course
 health
 news
 studies
 support
 montreal
 important
 business
 job
 book
 security
 map

latest
service
registration
computer
dates
departments
mental
cancellations
fine
serviceswhat
schedules

===> Cluster:2
concordia
student
school
calendar
campus
academic
graduate
students
university
science
sexual
class
services
colleges
schools
course
training
arts
media
parking
2021
support
events
faculty
new
program
undergraduate
resources
registration
violence
studies
service
centre
computer
study
job
health
business
career
staff

```
security
book
dates
quebec
fine
important
opportunities
stop
departments
gina
```

▢ # AFINN Sentiment Analysis

```
+-----+----------+----------+-----------+
|  #  | Name     | Score    |  Verdict  |
|-----+----------+----------+-----------|
|   1 | Cluster 0 | NEGATIVE |        -2 |
|   2 | Cluster 1 | POSITIVE |         8 |
|   3 | Cluster 2 | POSITIVE |         4 |
+-----+----------+----------+-----------+
```

▢ Clustering with K as: 6
Top terms per cluster:

```
===> Cluster:0
concordia
campus
school
calendar
graduate
academic
student
class
science
schools
colleges
university
services
students
media
parking
arts
events
support
new
service
resources
undergraduate
map
montreal
course
study
studies
```

  computer
  registration
  quebec
  book
  loyola
  job
  important
  security
  business
  opportunities
  health
  departments
  stop
  fine
  news
  gina
  latest
  mental
  resourcescampus
  cancellations
  serviceswhat
  relationsfaculties

  ===> Cluster:1
  des
  et
  sur
  tudes
  cours
  cole
  les
  la
  tudiants
  aux
  le
  autres
  coll
  sup
  coles
  rieures
  ges
  universit
  calendrier
  annuaire
  concordia
  nous
  pour
  campus
  cycle
  tudiantes
  au
  qu
  1er

en
tout
universitaire
gestion
curit
ressources
soutien
activit
emploi
montr
al
ou
inscription
ouest
voir
nouvelles
bec
nie
sant
avis
carte

===> Cluster:2
sexual
violence
training
concordia
complaint
student
academic
school
university
calendar
module
campus
misconduct
graduate
power
students
faculty
oppression
intersectionality
science
class
process
colleges
schools
committee
prevention
resources
assault
rights
task

responsibilities
systems
media
services
conduct
staff
arts
resource
office
environment
force
support
dynamics
candidates
community
dhc
sarc
new
provost
centre

===> Cluster:3
pdf
hr
vps
policy
bd
sg
vprgs
cfo
prvpa
politique
et
sur
des
documents
la
leave
procedures
research
related
policies
additionnels
vpa
vice
academic
11
10
handbook
employment
management
conduct
concordia

university
guidelines
student
les
13
14
code
campus
safety
remuneration
form
employee
theme
harassment
temporary
12
board
contract
conflict

===> Cluster:4
concordia
student
school
graduate
calendar
academic
campus
university
students
science
class
services
colleges
schools
links
quick
media
arts
course
research
undergraduate
events
centre
new
resources
study
opportunities
quebec
health
studies
news
support

```
hub
registration
business
programs
job
book
computer
dates
important
fine
education
security
latest
expend
stop
gina
mental
admissions

===> Cluster:5
2021
2020
ga
june
2022
september
july
august
march
january
october
17
november
february
standard
term
15
18
26
11
10
23
12
april
13
winter
fall
16
14
21
20
22
dates
```

```
24
28
courses
29
25
deadlines
tesl
31
scpa
held
19
gb
educ
december
27
acco
dne
```

⬜ # AFINN Sentiment Analysis

```
+-----+-----------+----------+-----------+
|  #  | Name      | Score    |   Verdict |
|-----+-----------+----------+-----------|
|   1 | Cluster 0 | POSITIVE |         7 |
|   2 | Cluster 1 | NEGATIVE |        -2 |
|   3 | Cluster 2 | NEGATIVE |        -9 |
|   4 | Cluster 3 | NEGATIVE |        -5 |
|   5 | Cluster 4 | POSITIVE |         7 |
|   6 | Cluster 5 | NEUTRAL  |         0 |
+-----+-----------+----------+-----------+
```

Process finished with exit code 0