Part 1:

all the programs that will be uploaded are from a collaborated work from Kevin Clemmons and Gabriel Marquez

I chose http://feeds.soundcloud.com/users/soundcloud:users:13178752/sounds.rss and created four different categories which were: Movie, Directors, Entertainment, and Actors.

Part 2:

Training the fisher classifier:

This program helped in assigning each feed a category, the program read through all the categories, then it displayed the description in the entry and prompted me for a number linking to the category. After I saved it under the name 0.txt

```
data = feedparser.parse('.../src/data/feed_data/empire200')
tria://ds4s//assigns/stc/make_training_data> pytoon makelrainingusta.py
O: Artist/ri, 1: 'Movielr', 2: 'Music'k', 3: 'Actors'k', 4: 'Entertainment'}
intry: http://feeds.soundcloud.com/stream/38901614-empiremagazine-empire-podcast-1
party: http://feeds.soundcloud.com/stream/38901614-empiremagazine-empire-podcast-1
For our inaugural episode, Paddy Considine visited for a chat about Tyrannosaur,
                                                                                                                                                               sys.stderr.write('Error opening categorized file \{\emptyset\}, \{1\}\/n'.format(fileName,e[1]))
0) Artist
                                                                                                                                                                     categorizedFeeds[iden] = {'category':cat,'title':None,'description':None,'guid':iden}
                                                                                                                                                                   tmp = line.split('|')
iden = tmp[0]
cat = tmp[1]
2) Music
4) Entertainment
                                                                                                                                                                    line = line.replace('
line = line.strip('\n')
                                -----Choose a Category-----
                                                                                                                                                              f = open(fileName,'r')
categorizedFeeds = {}
for line in f.readlines();
vguit (Gee emphes)
rtia:-/cs332/Assign9/src/make training_data> python makeTrainingData.py
ntry: http://feeds.soundcloud.com/stream/38901614-empiremagazine-empire-podcast-1
For our inaugural episode, Paddy Considine visited for a chat about Tyrannosaur, metheus, and we reviewed this week's releases
                                                                                                                                                           categorizedFeeds = None
lassified 0 of 104 entries (0 % )
0) Artist
2) Music
3) Actors
                                                                                                                                                               sys.stderr.write('Error opening config file {0}, {1}\/n'.format(configFileName,e[1]))
4) Entertainment
                                                                                                                                                                    files[option] = str(cnf.get(sectionName,option))
                                                                                                                                                                options = cnf.options(sectionName)
for option in options:
Traceback (most recent call last):

File "makeTrainingData.py", line 107, in <module>
createTrainingData(feedFileName, categoryList)

File "makeTrainingData.py", line 69, in createTrainingData
                                                                                                                                                               cnf.read(configFileName)
                                                                                                                                                                cnf = ConfigParser.ConfigParser()
                                                                                                                                                               v = open(configFileName)
v.close()
result = promptForCategory(e,categoryList,numClassified,size)
File "makeTrainingData.py", line 41, in promptForCategory
category = input("> ")
Fi/e "<string>", line 1
                                                                                                                                                          conf = ConfigParser.ConfigParser()
files = None
yntaxError: invalid syntax
                                                                                                                                                      def getSettings(sectionName='sportsWorldNews',configFileName='../config/predictorConfig.ini'):
 ria:-/cs432/Assign9/src/make_training_data> python makeTrainingData.py
http://feeds.soundcloud.com/stram/38901614-empiremagazine-empire-podcast-1
For our inaugural episode, Faddy Considine visited for a chat about Tyrannosaur
metheus, and we reviewed this week's releases
                                                                                                                                                      from feedDatabase import FeedDatabase
                                                                                                                                                            docclass import fisherclassifier
1) Movie
2) Music
3) Actors
                                                                                                                                                     sys.path.insert(0,'../lib/Chapter6')
sys.path.insert(0,'../databases/sportsworldnews')
import_unicodedata
 -1) Exit
                                         ---Choose a Category-
```

After training the fisher classified, I used a program classifyFeed.py to look through the entries.

Title	Actual Category	Prediticed Category	Fisher Price
#31: September 28, 2012 - Taken 2, Liberal Arts, David Thomson	Entertainment	Movie	0.84
#32: October 12, 2012 - Nicolas Winding Refn, Richard Coyle, Ruby Sparks, Pusher	Directors	Actors	0.35
#33: Oct 19, 2012 - Martin Short, Catherine O'Hara, Katie Featherston	Actors	Actors	0.61
#34: Oct 26, 2012 - Skyfall, Halloween, Jeffrey Combs	Entertainment	Movie	0.25
Skyfall Spoiler Podcast	Directors	Movie	0.41
Sir Roger Moore Special	Directors	Entertainment	0.55
#35: Nov 2, 2012 - Star Wars VII, Matt Smith, Jason Biggs, Argo	Actors	Movie	0.15
Bryan Cranston Breaking Bad Spoiler Special	Movie	Actors	0.81
Skyfall Writers Spoiler Podcast - Neal Purvis And Robert Wade	Actors	Entertainment	0.88
#36: Nov 9, 2012 - Mark Millar, Skyfall Writers, World War Z	Actors	Entertainment	0.18
#37: Nov 16, 2012 - Graham Linehan, Amour, The Master, Breaking Dawn Part 2	Movie	Movie	0.32
#38: Nov 23, 2012 - End Of Watch, Silver Linings Playbook, Frank Spotnitz	Movie	Movie	0.14
#39: Nov 30, 2012 - Jake Gyllenhaal, Ben Wheatley, Stephen Woolley	Actors	Actors	0.63
#40: Dec 7, 2012 - Sam Rockwell, Martin McDonagh, Warp Films	Actors	Actors	0.53
Eric Idle Special	Directors	Entertainment	0.83
#41: Dec 14, 2012 - Andy Serkis, Martin Freeman, Richard Armitage	Actors	Actors	0.87
Hobbit Spoiler Podcast #1 - Philippa Boyens	Movie	Directors	0.44
#42: Dec 21, 2012 - Christopher McQuarrie, Colin Trevorrow, Juan Antonio Bayona	Directors	Directors	0.74
Hobbit Spoiler Podcast #2	Movie	Movie	0.69
Empire Podcast Review Of The Year 2012	Entertainment	Movie	0.38
#43: Jan 11, 2013 - Tom Hooper, Toby Jones	Entertainment	Directors	0.72
#44: Jan 18, 2013 - Kathryn Bigelow, James Purefoy	Movie	Directors	0.37
#45: Jan 25, 2013 - Arnold Schwarzenegger, Mark Strong	Actors	Movie	0.41
Denzel Washington And Robert Zemeckis Flight Special	Actors	Actors	0.62
#46: Feb 1, 2013 - Denzel Washington, Robert Zemeckis, Rafe Spall	Actors	Entertainment	0.76
#47: Feb 8, 2013 - John C. Reilly, Nicholas Hoult	Entertainment	Movie	0.23
#48: Feb 15, 2013 - Jai Courtney, David Morrissey, David Oyelowo	Actors	Actors	0.44
#49: Feb 22, 2013 - Naomie Harris, Olga Kurylenko	Actors	Movie	0.64
Oscars 2013 Special	Directors	Entertainment	0.73
#50: Mar 1, 2013 - Mark Wahlberg, Paul Andrew Williams	Actors	Actors	0.86
#51: Sam Raimi, Zach Braff, Tim Roth - Mar 8, 2013	Actors	Entertainment	0.64
#52: Eli Roth, Mark Strong, Eran Creevy - Mar 15, 2013	Entertainment	Actors	0.22
Warwick Davis Special	Directors	Actors	0.71
#53: Ryan Reynolds, Jason Bateman, Melissa McCarthy - Mar 22, 2013	Actors	Movie	0.48
Danny Boyle Special	Actors	Entertainment	0.64
#54: Danny Boyle, Jonathan Pryce, David Holmes - Mar 29, 2013	Actors	Entertainment	0.83
#55: Rufus Sewell, Harmony Korine - Apr 5, 2013	Directors	Directors	0.45
John Boorman Special	Entertainment	Directors	0.64
#56: Aaron Eckhart, Sylvester McCoy - Apr 12, 2013	Entertainment	Actors	0.83
#57: Evil Dead, Olympus Has Fallen, Mathieu Kassovitz - Apr 19 2013	Movie	Actors	0.69
#58: Iron Man 3, Steve Coogan, Don Cheadle - Apr 26 2013	Actors	Entertainment	0.37
Iron Man 3 Spoiler Podcast - Shane Black And Drew Pearce	Actors	Directors	0.74
#59: David S. Goyer, Rian Johnson - May 3, 2013	Directors	Actors	0.76
#60: Star Trek Into Darkness, Damon Lindelof, Jeff Nichols - May 10, 2013	Actors	Movie	0.39
Star Trek Into Darkness Spoiler Special #1	Movie	Movie	0.74
British Board Of Film Classification Ratings Special	Entertainment	Movie	0.39
#61: Carey Mulligan, Tobey Maguire, Jeffrey Tambor - May 17, 2013	Actors	Entertainment	0.36
Star Trek Into Darkness Spoiler Special #2 - Damon Lindelof, Bryan Burk, Roberto Orci, Alex Kurtzman	Movie	Entertainment	0.46
#62: Alec Baldwin, Nicolas Winding Refn, Kristen Scott Thomas - May 24, 2013	Actors	Entertainment	0.88
#63: M. Night Shyamalan, Saoirse Ronan - May 31, 2013	Directors	Entertainment	0.51

Part 3:

Precision = Relevant links (obtained)/ Relevant Links

Recall = Relevant links (obtained)/ Relevant Links (Total)

Relevant Links Total = Relevant links (obtained) + Relevant Links in whole set

Obtained from Gabriel Marquez

```
import argparse
if __name__ == '__main__':
    parser = argparse.ArgumentParser()
      total_count = 100
sample_size = 50
     parser.add_argument('-p',action='store',dest='predictions',nargs=1,help='Specified the number of blogs
parser.add_argument('-c',action='store',dest='category',nargs=1,help='File to save to list.')
      args = parser.parse_args()
      if args.predictions:
    predictions = str(args.predictions[0])
      if args.category:
            category = str(args.category[0])
       with open(predictions , "r") as ins1:
          arrayInput = []
for line in ins1:
    arrayInput.append(line)
      with open(category , "r") as ins2:
    arrayTopic = []
    for line in ins2:
        arrayTopic.append(line)
       while i < len(arrayTopic):</pre>
             nprediction = len(arrayInput)
            prediction = len(arrayinput,
pcorrect = 0
pcorrect = float(pcorrect)
precision = 0
precision = float(precision)
recall = 0
```

	Actors	Movie	Entertainment	Directors
nPrediction	49	49	49	49
fPrecision	0	0	0	0
nCatergory	3	6	2	0
fMeasure	0.084	0.156	0	0
correct	0	2	5	0
recall	0.741	0.562	0	0