```
In [3]: import os
   import pandas as pd
   pd.options.display.float_format = '{:20,.2f}'.format
   pd.set_option('display.max_rows', 5000)
   pd.set_option('display.max_columns', 5000)
   pd.set_option('display.width', 1000)
   pd.set_option('display.max_colwidth', -1)
```

Ebooks 1 - 784 Datasets ID 12

#https://sites.google.com/site/anhaidgroup/useful-stuff/data (https://sites.google.com/site/anhaidgroup/useful-stuff/data)

Dataset 1 - Ebooks

```
In [127]: raw ebooks = pd.read csv(os.path.join(ebooks1 path, 'ebooks.csv'))
In [128]: raw ebooks.columns
Out[128]: Index(['record id', 'ISBN', 'description', 'price', 'date', 'publishe
          r', 'review_count', 'title', 'rating_value', 'author', 'length', 'shor
          t_description'], dtype='object')
In [78]:
          ebooks data = pd.read csv(
              os.path.join(ebooks1 path, 'ebooks.csv'),
              sep = ',',
              usecols = ebooks1 fields,
              index_col = None,
          )#[ebooks1 fields]
 In [79]:
          ebooks data.rename(
              columns = {
                   'title' : 'name',
                   'publisher': 'producer',
              },
              inplace = True
 In [80]:
          ebooks_data.columns
Out[80]: Index(['record_id', 'name', 'description', 'producer', 'price'], dtype
          ='object')
```

```
In [37]:
              ebooks_data.head()
Out[37]:
                   record_id
                                                     name
                                                                                                  description
                                                                                                                producer
                                                                This book provides a comprehensive plan that
                                                                    helps parents guide their children toward a
                                                               healthy love of sports. It will show parents, and
                                                                 their kids, how to get involved in triathlon and
                                                               other "lifestyle" sports that can be pursued for a
                                                                  lifetime. Triathlon is a fantastic endeavor for
                                                                  children because it promotes involvement in
                                                               three "lifestyle" sports. No matter what the age,
                                                               children who develop some skills in swimming,
                                                                  biking and running will be able to pursue any
                                                               sport they would like when they are older. Sport
                                                               should be the most enjoyable (and educational)
                                                                                                                  Meyer &
                                  A Healthy Guide to Sport
                                                               activity our children get to do. It should provide
                                                                                                                    Meyer
                                                              them with a positive feeling about themselves. It
                                                                     should teach them that they can improve
                                                                 themselves in all endeavors of life by working
                                                                   hard and persevering. It should teach them
                                                             about the benefits of working as part of a team or
                                                                training group. It should show them how much
                                                              they gain in life by striving to achieve their goals.
```

Dataset 2 - iTunes

```
import pandas as pd
In [4]:
         import os
In [7]:
         itunes data = pd.read csv(
             os.path.join(ebooks1_path,'itunes.csv'),
             sep = ',',
             usecols = ebooks1 fields,
         )#[ebooks1 fields]
In [8]: itunes data.columns
Out[8]: Index(['record id', 'publisher', 'description', 'title', 'price'], dty
         pe='object')
In [39]:
         itunes data.rename(
             columns = {
                  'title' : 'name',
                  'publisher': 'producer',
             inplace = True
```

In [40]: itunes_data.head() Out[40]: record_id name description producer price Virginia Tech's Shavne Graham trots onto the field at West Virginia on November 6, 1999, with two thoughts in his mind. One is a missed field goal that would have beaten Miami a year earlier. The other is the 44-yard field goal he is about to try against the Mountaineers, a kick he must make if the Hokies are to stay unbeaten and on track for a national championship. Head down, he focuses on his mark as the ball is snapped. He steps forward, the dream of an entire team resting with his leg. Now, hear Graham's memory of that kick in his own words, for the first time. Game of My Life: Virginia Tech Hokies, first published in 2006, celebrates the extraordinary football and basketball moments that have shaped the college's rich athletic heritage. Through interviews with some of the school's most prestigious athletes, Hokies fans can relive the big games that defined the school's winning tradition.Carroll Dale, later a fixture with the Green Bay Game of My Packers, dovearms outstretchedto haul in a crucial two-Sports 0 1 Life Virginia 16.99 **Publishing** point conversion in a 1957 game against the University **Tech Hokies** of Richmond. Les Henson shot from the baselinethe other baselineas the clock neared zero against Florida State in 1980. Chris Smith went well beyond the "double-double" standard for points and rebounds. How about 30 and 31 against Marshall in 1959? Corey Moore made life miserable for Clemson quarterback Brandon Streeter one night in 1999. Bruce Smith did the same for Duke quarterback Ben Bennett in 1983. The Hokies' Jim Pyne, meanwhile, made sure Syracuse's Kevin Mitchell didn't do the same to Tech quarterback Maurice DeShazo in 1993. Carlos Dixon, Mike Imoh, Andre Davis, Dell Curry, Bryan Still, Don Strock, Bryan Randallall the Tech greats from the gridiron and hardwoodare in these pages, including coach Frank Beamer. Join thousands of Virginia Tech fans in remembering these cherished stories. For the athletes within, these truly were the games of their In this practical, easy-to-read and apply book, LSU's coach of 25 years shows coaches at all competitive levels how they can become more productive and Dale Brown's effective with less time through better organizational Basketball skills. Coach Brown covers practically every aspect of Coaches the coaching profession as he allows you to learn from Coaches

his mistakes and successes. Includes chapters on

managers' duties and guidelines, team meetings,

have for coaches at any level of play.

motivation, practice organization, scouting, road trips, media relations and recruiting. Even includes a chapter on organizing summer youth basketball camps! A must

19.99

Choice

1

2

Organizational

Handbook

(2nd Edition)

record_id name description producer price

Are you a true Mets fan? Were you there when they won the 1986 World Series in the seventh game? Did you stand and cheer as the Mets demolished the St. Louis Cardinals to become the National League Champions in 2000? Do you know why the original team colors were orange and blue? How much do you really know about those lovable heroes who have brought fortune, glory, and two World Championship trophies to New York? Are you a true believer? Do you know:*Who the Hall of Fame outfielder was who played for the Mets in theirinaugural season and went on to become a broadcaster for the Philadelphia Phillies? *Which Mets outfielder ran the bases backward after hitting his100th career home run in a game in 1963? *Which rookie outfielder swiped 24 bases in 1981 and became one of the most popular players ever to play for the Mets?*When Tom Seaver's rookie year was?*Who holds the single-season Mets record for home runs?It's all here, with highlights of the team's exciting history, from the club's beginnings in 1962 to today, including postseason play. From Casey Stengal to Tom Seaver; from Doc to Mookie-- to Mike and Fonzie-questions and answers, sidebars, fascinating bios and photos gathered by lifelong Mets fan Michael Lichtenstein. Much more than just facts and trivia, Ya Gotta Believe! is something no Mets fan can do without.

St. Martin's 7.99 Press

Dundurn 12.99

The story of Canada's other game from its invention by a Canadian to its current struggle for popularity. Basketball, the only major world sport undeniably invented by a Canadian, has ironically failed to win Canadians' hearts more than a century after its creation. James Naismith's brainchild is a popular recreational pastime in his homeland, but players with bigger dreams had better take their talents south of the border. Canadian hoops has languished in the seemingly eternal shadow of hockey, with its cannibalization of air time, advertising dollars, and corporate capital. Faced with limited opportunities at home, as many as 50 teenagers flock to U.S. prep schools and colleges every year to chase their dreams of college stardom and, much less likely, a shot at glory in the NBA. Against all odds, a skinny kid from Victoria named Steve Nash managed to reach the pinnacle of the sport, with a whirling-dervish style that earned him two MVP awards in the world's greatest league. Today, a new generation of Canadians stand poised to follow in Nash's path. But will their success spark a renaissance back home? This book chronicles basketball's struggle to overcome its history as a poor cousin in a hockey-mad nation.

Canada's Other Game

Ya Gotta

Believe!

2

3

record_id name description producer price

"Double Duty"
Radcliffe: 36
Years of
5 PItching &
Catching In
the Negro
Leagues

"Double Duty" Radcliffe is the biography of one of the most unique baseball stars in history. Nicknamed "Double Duty" because he was an all-star pitcher and catcher, Radcliffe played from 1919-1954 in the Negro Leagues with teams such as the Chicago American Giants, Homestead Grays, Kansas City Monarchs, Birmingham Black Barons, New York Black Yankees and Memphis Red Sox. In this book, called "amazing" by Sports Illustrated, Radcliffe's own words are intertwined with background information and interviews with more than 30 ex-teammates. Radcliffe won more than 300 games on the mound, belted more than 300 homers, pitched and caught multiple no-hitters, was named league MVP at age 41, threw a complete game shutout past age 50, and played with and against every black and white player you can think of, including Satchel Paige, Josh Gibson, Jackie Robinson, Honus Wagner, Jimmie Foxx and Bob Feller! The braggadocious Radcliffe was known almost as much for his talking as for his playing, but, his opponents said, "he could back his words up." Radcliffe was a wonderful baseball player, but may have made more contributions to the game after retirement as he lived to age 103 and helped educated the public on the Negro Leagues and

Kyle 6.99 McNary

its players.

Candset for ebooks

```
In [41]: ebook_candset_fields = ['_id', 'ltable.record_id', 'rtable.record_id']
In [42]: ebooks1_candset = pd.read_csv(
    os.path.join(ebooks1_path,'candset.csv'),
    comment = '#',
    sep = ',',
)
```

In [43]:	ebooks1_candset.head()												
Out[43]:		_id	ltable.record_id	rtable.record_id	Itable.author	Itable.date	Itable.length	Itable.price	Ita				
	0	0	1	35	mike harris & Frank Beamer	Jul 07, 2015	264.00	16.99	ı				
	1	1	1	1222	mike harris & Frank Beamer	Jul 07, 2015	264.00	16.99	ı				
	2	2	1	3143	mike harris & Frank Beamer	Jul 07, 2015	264.00	16.99	ı				
	2	3	1	3582	mike harris &	Jul 07,	264 00	16 99	*				

Labeled data for ebooks

```
In [44]: ebooks1_labeled_data_fields = ['_id', 'ltable.record_id', 'rtable.record
In [45]:
         ebooks1_labeled_data = pd.read_csv(
             os.path.join(ebooks1 path, 'labeled data.csv'),
             comment = '#',
             sep = ',',
             usecols = ebooks1_labeled_data_fields,
         )[ebooks1_labeled_data_fields]
In [46]:
         ebooks1_labeled_data.rename(
             columns = {
                  'ltable.record_id': 'itunes_id',
                  'rtable.record_id': 'ebooks_id',
                  'gold':
                                      'duplicate',
             },
             inplace=True
         )
```

```
In [47]: | ebooks1 labeled data.head()
Out[47]:
             _id itunes_id ebooks_id duplicate
             44
          0
                     44
                            9650
                                       0
          1
             60
                     66
                            3496
                                       0
             68
                     66
                            7326
                                       0
          2
          3 107
                     92
                            6590
                                       1
                            5954
                                       0
          4 115
                    112
In [48]:
         itunes data[itunes data['record id'] == 92]['name'].to string(index=False)
Out[48]: ' 100 Things Rockies Fans Should Know & Do Before They Die'
In [49]: itunes data[itunes data['record id'] == 92]['description'].to string(ind
Out[49]: 'This series will help baseball lovers get the most out of being a fa
         n. It takes years of franchise history and distills it to the absolute
         best and most compelling, identifying in an informative, lively, and i
         lluminating way the personalities, events, and facts every fan should
         know without hesitation. Numbers, nicknames, memorable moments, singul
         ar achievements, and signature plays all highlight the list of 100.
In [50]: | ebooks_data[ebooks_data['record_id'] == 6590]['name'].to string(index=F
Out[50]: ' 100 Things Rockies Fans Should Know & Do Before They Die'
In [51]: ebooks_data[ebooks_data['record_id'] == 6590]['description'].to_string()
Out[51]: ' All baseball enthusiasts want to see their team win the World Series
         in their lifetime. But being a fan is about more than watching your te
         am win it all. This series will help baseball lovers get the most out
         of being a fan. It takes years of franchise history and distills it to
         the absolute best and most compelling, identifying in an informative,
         lively, and illuminating way the personalities, events, and facts ever
         y fan should know without hesitation. Numbers, nicknames, memorable mo
         ments, singular achievements, and signature plays all highlight the li
         st of 100. 100 Things also includes things baseball fans should see an
         d do before they join their heroes at the Pearly Gates. This book cont
         ains numerous tips and suggestions for enjoying a team on a different,
         more involved, level.\\n\xa0less'
```

Candset

```
In [81]: ebooks1_candset_data = pd.read_csv(
    os.path.join(ebooks1_path,'candset.csv'),
    comment = '#',
    sep = ',',
    #usecols = ebooks1_labeled_data_fields,
)#[ebooks1_labeled_data_fields]
```

```
Out[87]:
                _id Itable.record_id rtable.record_id Itable.author Itable.date Itable.length Itable.price Ita
                                                    Susan
                                                            Jun 01,
           107 107
                              36
                                         4437
                                                                        336.00
                                                                                   9.99
                                                   Slusser
                                                              2015
          ebooks1_labeled_data[ebooks1_labeled_data['itunes_id'] == 36]
In [88]:
Out[88]:
            _id itunes_id ebooks_id duplicate
In [86]:
          ebooks1_labeled_data.head()
Out[86]:
              _id itunes_id ebooks_id duplicate
           0
              44
                                          0
                       44
                               9650
           1
              60
                       66
                               3496
                                          0
                                          0
           2
              68
                       66
                               7326
           3
             107
                       92
                               6590
                                          1
                               5954
                                          0
           4 115
                      112
In [83]: len(ebooks1_candset_data)
Out[83]: 18383
In [84]: len(ebooks data)
Out[84]: 14110
In [85]:
          len(itunes_data)
Out[85]: 6500
          Candset - Labeled data comparison
          raw ebooks1 candset data = pd.read csv(
In [89]:
               os.path.join(ebooks1 path, 'candset.csv'),
               comment = '#',
               sep = ',',
               #usecols = ebooks1 labeled data fields,
          )#[ebooks1_labeled_data_fields]
In [90]:
          raw_ebooks1_labeled_data = pd.read_csv(
               os.path.join(ebooks1_path,'labeled_data.csv'),
               comment = '#',
```

sep = ',',

)#[ebooks1 labeled data fields]

#usecols = ebooks1_labeled_data_fields,

ebooks1 candset data[ebooks1 candset data[' id'] == 107]

In [87]:

```
In [95]:
            raw_ebooks1_candset_data[raw_ebooks1_candset_data['_id'] == 44]
 Out[95]:
                _id ltable.record_id rtable.record_id ltable.author ltable.date ltable.length ltable.price ltab
                                                               Apr 07,
             44
                44
                              10
                                           6609
                                                   Phil Pepe
                                                                          224.00
                                                                                      16.99
                                                                2015
 In [96]: len(raw_ebooks1_candset_data)
 Out[96]: 18383
In [108]: len(raw_ebooks1_labeled_data)
Out[108]: 400
           len(raw ebooks1 labeled data[raw ebooks1 labeled data['gold'] == 1])
Out[107]: 131
           131 duplicates in labeled data, warum?
In [105]:
            raw_ebooks1_labeled_data[raw_ebooks1_labeled_data.duplicated()]
Out[105]:
              _id ltable.record_id rtable.record_id ltable.author ltable.date ltable.description ltable.length
```

In [102]: raw_ebooks1_labeled_data[raw_ebooks1_labeled_data['ltable.record_id'] ==

Out[102]: __id ltable.record_id rtable.record_id ltable.author ltable.date ltable.description ltable.length

help baseball lovers get the most out of being a fan. It takes years of franchise history and distills it to the absolute best and most compelling, identifying in an informative, lively, and illuminating 256 way the personalities, events, and facts every fan should know without hesitation. Numbers, nicknames, memorable moments, singular achievements, and signature plays all highlight

the list of 100.

This series will

best and most compelling, identifying in an informative, lively, and illuminating

3 107 92 6590 Adrian Dater 1-Apr-09 way the personalities, events, and facts every fan should know without hesitation.

Numbers, nicknames,

```
In [110]:
              itunes data.head(1)
Out[110]:
                  record_id
                               name
                                                                                    description
                                                                                                 producer
                                                                                                            price
                                          Virginia Tech's Shayne Graham trots onto the field at West
                                         Virginia on November 6, 1999, with two thoughts in his mind.
                                          One is a missed field goal that would have beaten Miami a
                                         year earlier. The other is the 44-yard field goal he is about to
                                             try against the Mountaineers, a kick he must make if the
                                             Hokies are to stay unbeaten and on track for a national
                                       championship. Head down, he focuses on his mark as the ball
                                           is snapped. He steps forward, the dream of an entire team
                                      resting with his leg. Now, hear Graham's memory of that kick in
                                           his own words, for the first time. Game of My Life: Virginia
                                                 Tech Hokies, first published in 2006, celebrates the
                                             extraordinary football and basketball moments that have
                                       shaped the college's rich athletic heritage. Through interviews
                                          with some of the school's most prestigious athletes, Hokies
                               Game
                                       fans can relive the big games that defined the school's winning
                               of My
                                              tradition. Carroll Dale, later a fixture with the Green Bay
                                 Life
                                                                                                    Sports
               0
                                         Packers, dovearms outstretchedto haul in a crucial two-point
                                                                                                            16.99
                              Virginia
                                                                                                Publishing
                                                conversion in a 1957 game against the University of
                                Tech
                                             Richmond. Les Henson shot from the baselinethe other
                              Hokies
                                      baselineas the clock neared zero against Florida State in 1980.
                                       Chris Smith went well beyond the "double-double" standard for
                                       points and rebounds. How about 30 and 31 against Marshall in
                                               1959? Corey Moore made life miserable for Clemson
                                        quarterback Brandon Streeter one night in 1999. Bruce Smith
                                        did the same for Duke quarterback Ben Bennett in 1983. The
                                          Hokies' Jim Pyne, meanwhile, made sure Syracuse's Kevin
                                             Mitchell didn't do the same to Tech quarterback Maurice
                                       DeShazo in 1993. Carlos Dixon, Mike Imoh, Andre Davis, Dell
                                      Curry, Bryan Still, Don Strock, Bryan Randallall the Tech greats
                                         from the gridiron and hardwoodare in these pages, including
                                        coach Frank Beamer. Join thousands of Virginia Tech fans in
                                        remembering these cherished stories. For the athletes within,
                                                          these truly were the games of their lives.
In [111]:
              itunes data['source'] = 'itunes'
In [112]:
              ebooks data['source'] = 'ebooks'
In [113]:
              ebooks1 all = pd.concat([itunes data, ebooks data])
In [114]:
              len(ebooks1_all) == len(itunes_data) + len(ebooks_data)
Out[114]: True
  In [2]:
              ebooks1 all path = (r'/home/ubuntu/jupyter/ServerX/1 Standard Data Inte
                                           r'/Processed Data/product samples/')
In [119]:
              ebooks1 all.rename(columns={'record id':'Id'}, inplace=True)
              ebooks1 all.to csv(ebooks1 all path + 'ebooks1 all.csv')
In [120]:
In [121]:
              ebooks1 all[ebooks1 all['description'] == None]
```

Id name description producer price source

Out[121]:

In [5]: ebooks1_all.head(2)

Game of My

Life Virginia

Tech Hokies

0

0 1

Out[5]:
Unnamed:
0 ld name description producer price source

Virginia Tech's Shavne Graham trots onto the field at West Virginia on November 6, 1999, with two thoughts in his mind. One is a missed field goal that would have beaten Miami a year earlier. The other is the 44-yard field goal he is about to try against the Mountaineers, a kick he must make if the Hokies are to stay unbeaten and on track for a national championship. Head down, he focuses on his mark as the ball is snapped. He steps forward, the dream of an entire team resting with his leg. Now, hear Graham's memory of that kick in his own words, for the first time. Game of My Life: Virginia Tech Hokies, first published in 2006, celebrates the extraordinary football and basketball moments that have shaped the college's rich athletic heritage. Through interviews with some of the school's most prestigious athletes, Hokies fans can relive the big games that defined the school's winning tradition.Carroll Dale, later a fixture with the Green Bay Packers, dovearms outstretchedto haul in a crucial two-point conversion in a 1957 game against the University of Richmond. Les Henson shot from the baselinethe other baselineas the clock neared zero against Florida State in 1980. Chris Smith went well beyond the "double-double" standard for points and rebounds. How about 30 and 31 against Marshall in 1959? Corey Moore made life miserable for Clemson quarterback Brandon Streeter one night in 1999. Bruce Smith did the same for Duke quarterback Ben Bennett in 1983. The Hokies' Jim Pyne, meanwhile, made sure Syracuse's Kevin Mitchell didn't do the same to Tech guarterback Maurice DeShazo in 1993. Carlos Dixon, Mike Imoh, Andre Davis, Dell Curry, Bryan Still, Don Strock, Bryan Randallall the Tech greats from the gridiron and hardwoodare in these pages, including coach Frank Beamer. Join thousands of Virginia Tech fans in remembering these cherished stories. For the athletes within, these truly were the games of their lives.

Sports

Publishing

16.99

itunes

	Unnamed: 0	ld	name	description	producer	price	source
1	1	2	Dale Brown's Basketball Coaches Organizational Handbook (2nd Edition)	In this practical, easy-to-read and apply book, LSU's coach of 25 years shows coaches at all competitive levels how they can become more productive and effective with less time through better organizational skills. Coach Brown covers practically every aspect of the coaching profession as he allows you to learn from his mistakes and successes. Includes chapters on managers' duties and guidelines, team meetings, motivation, practice organization, scouting, road trips, media relations and recruiting. Even includes a chapter on organizing summer youth basketball camps! A must have for coaches at any level of play.	Coaches Choice	19.99	itunes