

## **Fight Human Trafficking with Text Analytics**

Stuti Mehrotra, Dr. Miriam McGaugh, Oklahoma State University, OK, US

### **ABSTRACT**

Human trafficking is an international challenge and it affects every country. The United Nations defines it as the recruitment, transportation, transfer, harboring, or receipt of persons by improper means (such as force, abduction, fraud, or coercion) for an improper purpose including forced labor or sexual exploitation. It is a grave violation of human rights. The problem has escalated as human traffickers have now tapped into the power of online advertising. Online advertising is cost effective and has an exhaustive reach which allows human traffickers to operate on a global level and reach their targeted customers. Hundreds of online ads are posted on websites such as Backpage.com where sex traffickers advertise their services.

In an attempt to tackle the problem this paper uses the power of text analytics to build a robust model for identification and categorization of potential human and sex trafficking ads. The ads were scraped from Backpage.com. They were categorized by human volunteers and Text Mining nodes provided by SAS® Enterprise Miner™ 14.2. The categorization by volunteers was then used to validate the output from Text Mining nodes provided by SAS® Enterprise Miner™ 14.2. While Backpage.com was closed down by the federal government, identification of online ads will help in identifying other malicious websites that promote such ads. Making it riskier for traffickers to reach their customers using online advertising thus affecting their demands.

### **INTRODUCTION**

Human Trafficking is the exploitation of men, women and children for slavery or sexual exploitation. It is a modern day version of slavery that effects millions of people across the globe. Due to the huge scale at which human traffickers operate traditional methods of catching human traffickers have led to very slow progress in tackling this problem. This has turned human trafficking into a very profitable business.

Human trafficking has seen a boom since the advent of Internet. It has given the traffickers a cheap and easy medium to reach their potential customers. It is a safe way for traffickers to reach out to their audience while maintaining some level of anonymity. We see thousands of ads being posted on various websites that are sexually oriented. Since anything posted on the internet is like a digital record, it can provide us with potential clues to identifying the traffickers. It might not be possible to catch the culprits of such heinous acts directly through these ads, but it is possible to identify such ads. Identifying sexually oriented ads will help us understand the online resources/websites that traffickers use. Empowered with this knowledge, we can nip the attempts of the traffickers to reach their customers in the bud. Breaking the vicious cycle of supply and demand is an important step in tackling this issue that plagues the world. Identification of all the ads is humanly impossible hence there is a need of a better method to do so. A statistical model specifically trained to identify such ads is needed. It can help identify websites like Backpage that were majorly used for sex trafficking.

In this paper we have identified the keywords that are often found in sexually oriented ads using Text Mining nodes provided by SAS® Enterprise Miner™ 14.2. The categorization of ads provided by human volunteers helped the statistical models build rules. These rules help recognize

keywords in ads. So when the model is presented with new ads it can use these rules to classify them. There are several models that are trained and the best of them is used to classify ads.

## DATA

The dataset was a collection of 8 CSV files with 1000 Ads each scraped from the website 'Backpage'. Each Ad was classified by a human volunteer in one of the following 9 categories – Recruiting, Escorts, Spa/Massage Parlor, Dating, Phone/Webcam Sex, Review Site, Rescue Ads, Adult Entertainment and Other. This classification of Ads is inspired by the research project undertaken by Dr. Van Scootter [1] (Louisiana State University), Dr. Miriam McGaugh (Oklahoma State University) and Denise McManus (University of Alabama).

The data has the following variables:

Row Number (Numeric) - Gives the row number.

Ad ID (Numeric) – Unique Identifier for the ad.

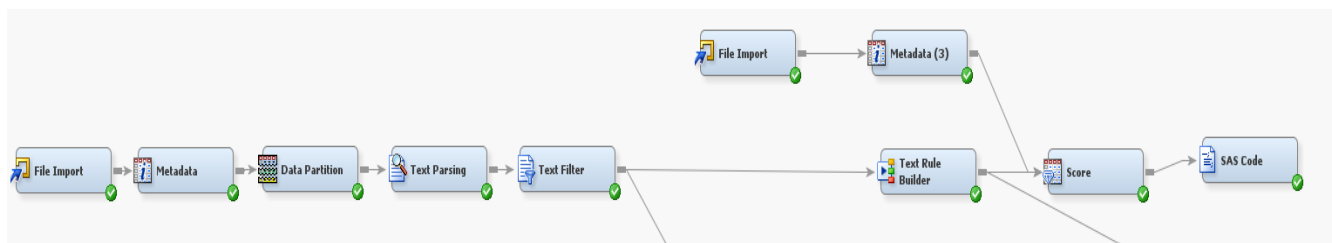
Ad Content (Text) – The content of the ad.

Primad (Text) – One of the 9 categories assigned to the ad as identified by human volunteers.

## METHODOLOGY

SAS® Enterprise Miner™ 14.2 was used for all modeling.

### Rule Builder Method:



**Fig 1: Rule Builder Method**

### File Import Node

The Data was merged into one CSV file and read into SAS Enterprise Miner using the File Import Node.

### Metadata Node

The Metadata Node was used to set the roles of the variables in the dataset. The “Primad” field was set as Target.

### Data Partition Node

The Data Partition Node was used for honest assessment. The Imported Data was divided into training dataset, containing 70% of the data and validation dataset containing 30% of data.

## Text Parsing Node

It was used to select parts of speech we are interested in. It can prepare the data better for our specific requirements. The following settings were used for the node –

| Property                                     | Value                                 |
|--|---------------------------------------|
| <b>General</b>                               |                                       |
| Node ID                                      | TextParsing                           |
| Imported Data                                | ...                                   |
| Exported Data                                | ...                                   |
| Notes  | ...                                   |
| <b>Train</b>                                 |                                       |
| Variables                                    | ...                                   |
| <input checked="" type="checkbox"/> Parse    |                                       |
| Parse Variable                               | adcontent                             |
| Language                                     | English                               |
| <input checked="" type="checkbox"/> Detect   |                                       |
| Different Parts of Speech                    | No                                    |
| Noun Groups                                  | Yes                                   |
| Multi-word Terms                             | SASHELP.ENG_MULTI                     |
| Find Entities                                | Standard                              |
| Custom Entities                              |                                       |
| <input checked="" type="checkbox"/> Ignore   |                                       |
| Ignore Parts of Speech                       | 'Aux' 'Conj' 'Det' 'Interj' 'Par' ... |
| Ignore Types of Entities                     | ...                                   |
| Ignore Types of Attributes                   | 'Alpha' 'Num' 'Punct'                 |
| <input checked="" type="checkbox"/> Synonyms |                                       |
| Stem Terms                                   | Yes                                   |
| Synonyms                                     | SASHELP.ENGSYNMS                      |
| <input checked="" type="checkbox"/> Filter   |                                       |
| Start List                                   | ...                                   |
| Stop List                                    | SASHELP.ENGSTOP                       |
| Select Languages                             | ...                                   |
| <b>Report</b>                                |                                       |
| Number of Terms to Display                   | 20000                                 |
| <b>Status</b>                                |                                       |

**Fig 2: Text Parsing Node Settings**

The Text Parsing Node shows which terms are kept and how often they appear in documents. Generally the most frequent terms are not worth keeping as they do not add valuable information to the model. Hence the most frequent terms like a,an,the,this are ignored in this model.

| Terms     |                               |           |      |        |        |
|-----------|-------------------------------|-----------|------|--------|--------|
| Term      | Role                          | Attribute | Freq | # Docs | Keep ▼ |
| 100%      | ... Percent                   | Entity    | 52   | 52Y    |        |
| outcall   | ... Miscellaneous Proper Noun | Entity    | 51   | 50Y    |        |
| 24/7      | ...                           | Mixed     | 37   | 37Y    |        |
| pics      | ... Miscellaneous Proper Noun | Entity    | 27   | 26Y    |        |
| outcalls  | ... Miscellaneous Proper Noun | Entity    | 24   | 24Y    |        |
| join free | ... Miscellaneous Proper Noun | Entity    | 21   | 21Y    |        |
| incall    | ... Miscellaneous Proper Noun | Entity    | 19   | 19Y    |        |
| texas     | ... Location                  | Entity    | 17   | 17Y    |        |
| town      | ... Miscellaneous Proper Noun | Entity    | 15   | 15Y    |        |
| bbw       | ... Miscellaneous Proper Noun | Entity    | 15   | 14Y    |        |
| strippers | ... Miscellaneous Proper Noun | Entity    | 14   | 14Y    |        |
| busty     | ... Miscellaneous Proper Noun | Entity    | 12   | 12Y    |        |
| korean    | ... Location                  | Entity    | 12   | 12Y    |        |
| sexy      | ... Miscellaneous Proper Noun | Entity    | 12   | 12Y    |        |
| angel     | ... Location                  | Entity    | 11   | 11Y    |        |
| best      | ... Miscellaneous Proper Noun | Entity    | 11   | 11Y    |        |
| free      | ... Miscellaneous Proper Noun | Entity    | 11   | 11Y    |        |
| incalls   | ... Miscellaneous Proper Noun | Entity    | 11   | 11Y    |        |
| lady      | ... Title                     | Entity    | 10   | 10Y    |        |
| ready     | ... Miscellaneous Proper Noun | Entity    | 10   | 10Y    |        |
| \$400     | ... Currency                  | Entity    | 9    | 9Y     |        |

**Fig 3: Parsing Node Output**

## Text Filter Node

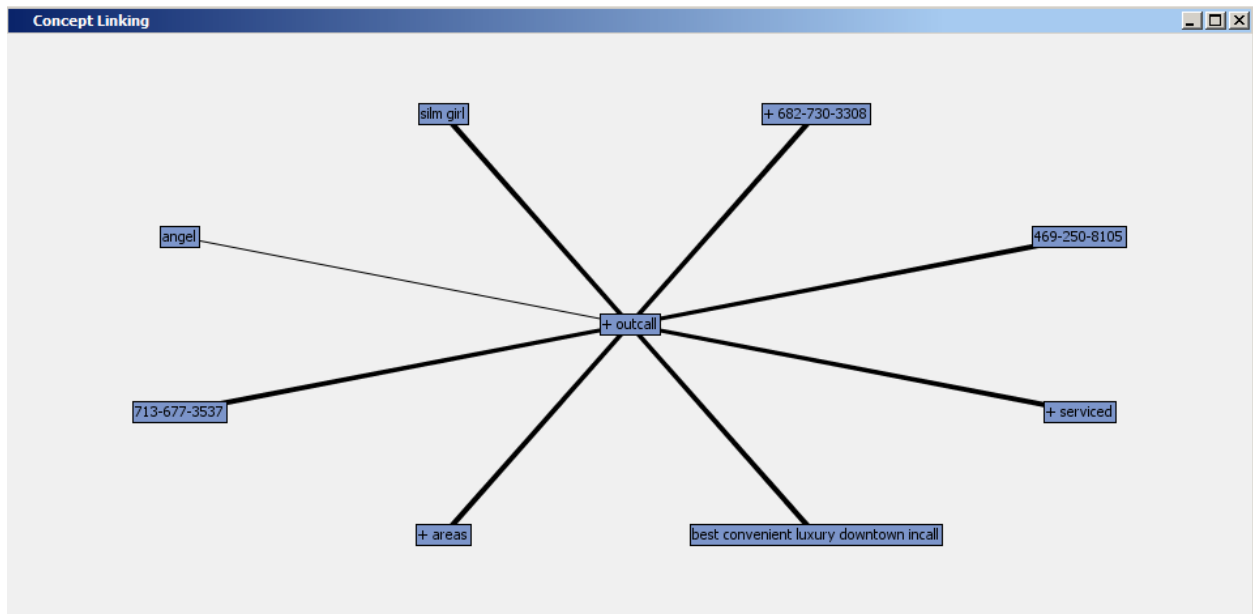
This node is used to filter and combine data. The node was set up not to check for spellings as the sexually oriented ads are often misspelled. Also, words can be combined together to be treated as synonyms. This can be done by importing a synonyms files or doing it manually. In this paper, synonyms were defined manually by checking the terms that have similar spellings. There were about 50 terms for which synonyms were defined. Fig 4. Shows the synonyms for the term Outcall.

| Terms                               |              |      |        |                                     |        |                     |           |
|-------------------------------------|--------------|------|--------|-------------------------------------|--------|---------------------|-----------|
|                                     | TERM         | FREQ | # DOCS | KEEP ▼                              | WEIGHT | ROLE                | ATTRIBUTE |
| <input type="checkbox"/>            | outcall      | 81   | 79     | <input checked="" type="checkbox"/> | 0.249  | Miscellaneous Pr... | Entity    |
| <input type="checkbox"/>            | outcall      | 51   | 50     |                                     |        | Miscellaneous Pr... | Entity    |
| <input type="checkbox"/>            | outscalls    | 1    | 1      |                                     |        | Miscellaneous Pr... | Entity    |
| <input type="checkbox"/>            | outcal       | 1    | 1      |                                     |        | Miscellaneous Pr... | Entity    |
| <input type="checkbox"/>            | outcalls     | 24   | 24     |                                     |        | Miscellaneous Pr... | Entity    |
| <input type="checkbox"/>            | outcall      | 2    | 2      |                                     |        | Person              | Entity    |
| <input type="checkbox"/>            | _outcall     | 1    | 1      |                                     |        | Miscellaneous Pr... | Entity    |
| <input type="checkbox"/>            | out-calls    | 1    | 1      |                                     |        | Miscellaneous Pr... | Entity    |
| <input checked="" type="checkbox"/> | \$100        | 69   | 65     | <input checked="" type="checkbox"/> | 0.882  | Currency            | Entity    |
| <input checked="" type="checkbox"/> | 100%         | 53   | 53     | <input checked="" type="checkbox"/> | 0.263  | Percent             | Entity    |
| <input type="checkbox"/>            | 24/7         | 37   | 37     | <input checked="" type="checkbox"/> | 0.593  |                     | Mixed     |
| <input checked="" type="checkbox"/> | pics         | 29   | 28     | <input checked="" type="checkbox"/> | 0.243  | Miscellaneous Pr... | Entity    |
| <input type="checkbox"/>            | pic          | 2    | 2      |                                     |        | Miscellaneous Pr... | Entity    |
| <input type="checkbox"/>            | pics         | 27   | 26     |                                     |        | Miscellaneous Pr... | Entity    |
| <input checked="" type="checkbox"/> | 855-474-1474 | 21   | 21     | <input checked="" type="checkbox"/> | 1.033  | Phone Number        | Entity    |
| <input type="checkbox"/>            | join free    | 21   | 21     | <input checked="" type="checkbox"/> | 0.868  | Miscellaneous Pr... | Entity    |
| <input checked="" type="checkbox"/> | 682-730-3308 | 20   | 20     | <input checked="" type="checkbox"/> | 0.244  | Phone Number        | Entity    |
| <input type="checkbox"/>            | incall       | 19   | 19     | <input checked="" type="checkbox"/> | 0.242  | Miscellaneous Pr... | Entity    |
| <input type="checkbox"/>            | texas        | 17   | 17     | <input checked="" type="checkbox"/> | 0.682  | Location            | Entity    |
| <input type="checkbox"/>            | town         | 15   | 15     | <input checked="" type="checkbox"/> | 0.213  | Miscellaneous Pr... | Entity    |
| <input checked="" type="checkbox"/> | strippers    | 15   | 15     | <input checked="" type="checkbox"/> | 1.48   | Miscellaneous Pr... | Entity    |
| <input checked="" type="checkbox"/> | bbw          | 16   | 15     | <input checked="" type="checkbox"/> | 0.213  | Miscellaneous Pr... | Entity    |
| <input checked="" type="checkbox"/> | sexy         | 14   | 14     | <input checked="" type="checkbox"/> | 0.364  | Miscellaneous Pr... | Entity    |
| <input checked="" type="checkbox"/> | best         | 12   | 12     | <input checked="" type="checkbox"/> | 0.523  | Miscellaneous Pr... | Entity    |
| <input checked="" type="checkbox"/> | incalls      | 12   | 12     | <input checked="" type="checkbox"/> | 0.266  | Miscellaneous Pr... | Entity    |
| <input type="checkbox"/>            | busty        | 12   | 12     | <input checked="" type="checkbox"/> | 0.228  | Miscellaneous Pr... | Entity    |

**Fig 4: Synonyms in Text Filter Node**

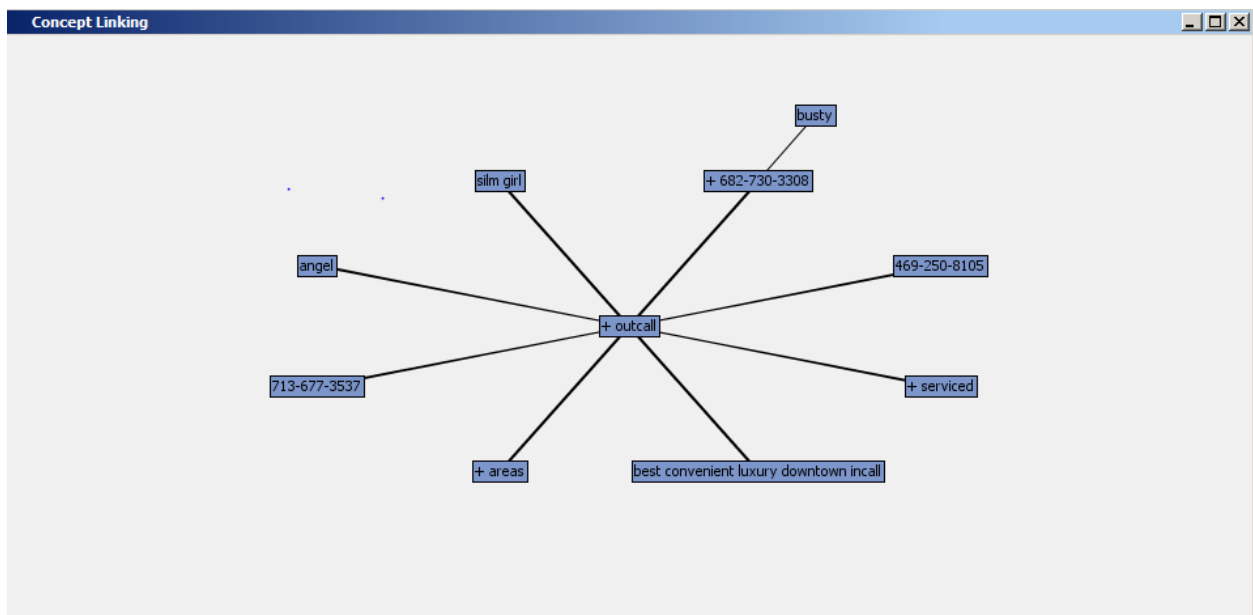
## Concept links

Concept links are a way to find which terms are strongly related to each other. The star like graph shows the terms and their association. The thickness of the line joining the terms represents the strength of association. In the figure below we see the concept link for Outcall. It is strongly associated with terms like serviced, slim girls and a few phone numbers.



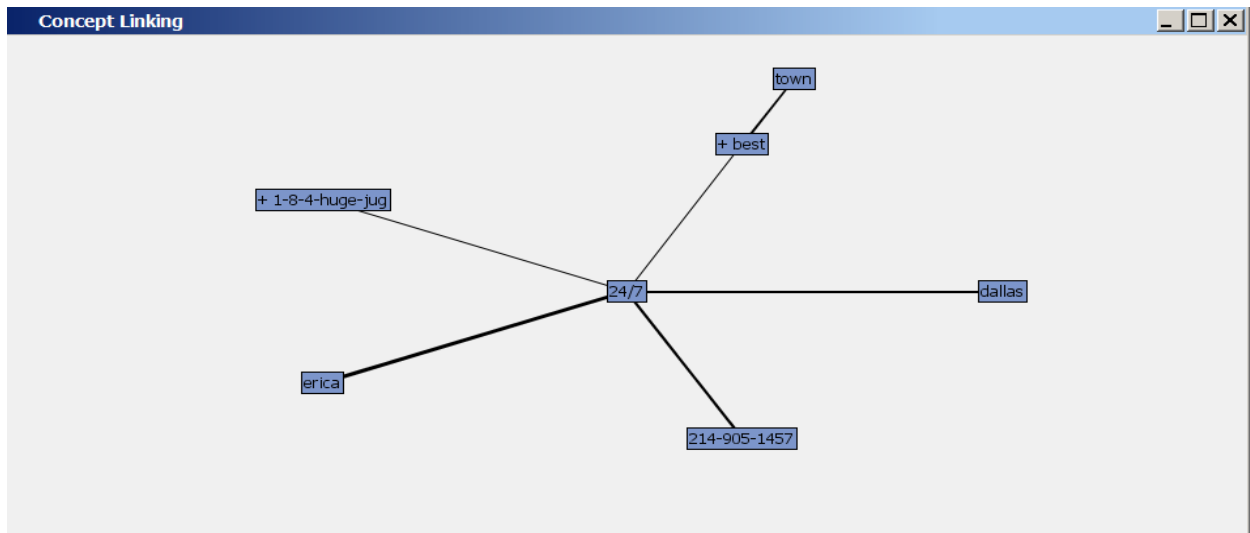
**Fig 5: Concept links for Outcall**

The terms that have a + sign next to them can be further expanded to show associations. In Fig 6 we see that outcall is strongly associated with the phone number +682-730-3308. On expanding the concept link on the phone number we see that the phone number is associated with the term Busty.



**Fig 6: Concept links for Outcall: Term Associations**

The advantage of concept links in this study is seen when a phone number appears associated with a certain type of ad. This means that there are certain phone numbers that keep repeating in a specific type of ad.



**Fig 7: Phone number associated with a location**

### Text Rule Builder Node

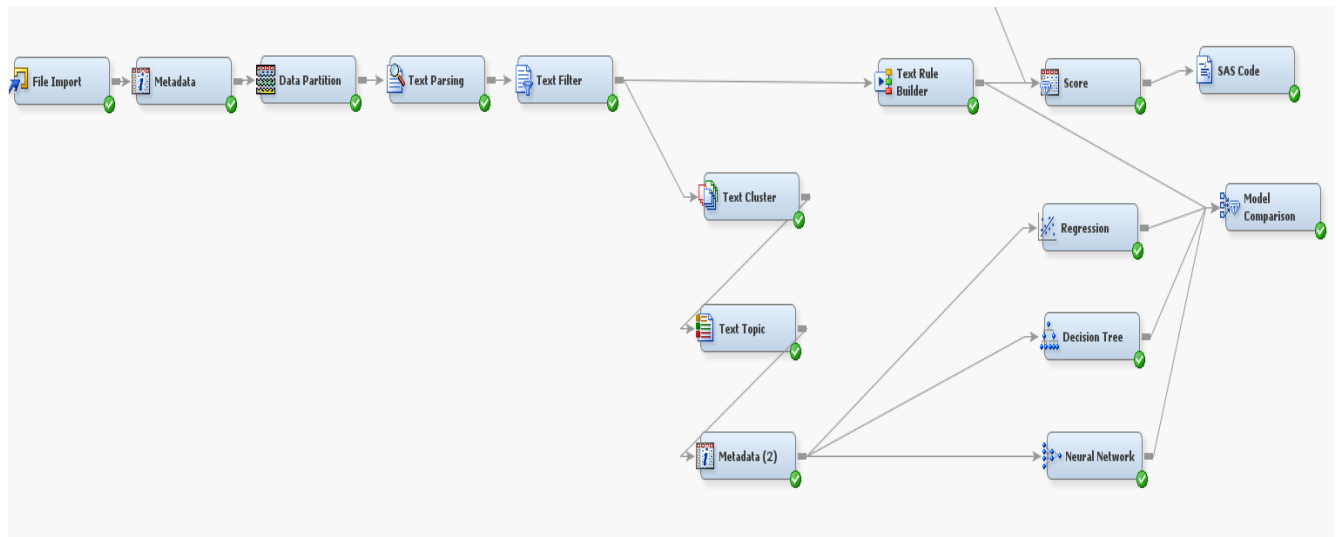
This node produces an ordered set of rules from the terms in the ad thus identifying keywords for the classification of ads. These rules are then used to categorize new ads. It was set up with the following properties.

| Property                    | Value                        |
|-----------------------------|------------------------------|
| <b>General</b>              |                              |
| Node ID                     | TextRule                     |
| Imported Data               | ...                          |
| Exported Data               | ...                          |
| Notes                       | ...                          |
| <b>Train</b>                |                              |
| Variables                   | ...                          |
| Generalization Error        | Low                          |
| Purity of Rules             | High                         |
| Exhaustiveness              | Medium                       |
| <b>Score</b>                |                              |
| Content Categorization Code | ...                          |
| Change Target Values        | ...                          |
| <b>Status</b>               |                              |
| Create Time                 | 7/24/18 10:22 AM             |
| Run ID                      | 38a8da7b-467f-46aa-a263-56ec |
| Last Error                  |                              |
| Last Status                 | Complete                     |
| Last Run Time               | 7/28/18 7:41 PM              |
| Run Duration                | 0 Hr. 0 Min. 9.50 Sec.       |
| Grid Host                   |                              |
| User-Added Node             | No                           |

**Fig 8: Text Rule Builder Settings**

As seen in Fig: 1 the rules from Text Rule Builder Node is used to score a new dataset that has ads not seen by the model before.

### Other Predictive Models:



**Fig 9: Other Predictive Model Approach**

Another approach to building a model for Ad classification is using regression, decision tree or a neural network. In the above diagram, we see that after the text filter node we add a text cluster node and the text topic node. These nodes are used to develop rules similar to rule builder node but by using SVD (Single Value Decomposition) and Topics. The Text Cluster nodes create a term by document matrix with very high dimensionality. The dimensionality is reduced by using SVD. After which Topics are extracted from the reduced data. They can be user-defined or discovered. In this case, the topics are not user-defined but discovered. This helps in combining individual keywords into topics that help in text analysis.

The topics are then passed through the metadata node to set the target and input variable roles. Three predictive models namely, Regression, Decision tree and Neural Network are used to build a predictive model based on the topics.

## RESULTS

The data were divided into training and validation datasets to avoid overfitting of the model. The models build in both the above approaches were then compared using Model Comparison Node. Misclassification rate of the validation dataset was used as the selection criteria and we saw that the Rule builder was the best model for text classification. Misclassification rate tells us how often our model predicts the wrong category for a given ad. Since the rule builder node has the lowest misclassification rate among the models build we can say that the Rule Builder model is the best model. With a misclassification rate of 43%, the text rule builder model was able to identify about 57% of the textual data correctly.

| Selected Model | Predecessor Node | Model Node | Model Description | Target Variable | Target Label | Selection Criterion: Valid: Misclassification Rate |
|----------------|------------------|------------|-------------------|-----------------|--------------|--|
| Y              | TextRule         | TextRule   | Text Rule B...    | Primad          | Primad       | 0.430693   |
|                | Neural           | Neural     | Neural Net...     | Primad          | Primad       | 0.447195   |
|                | Tree             | Tree       | Decision Tr...    | Primad          | Primad       | 0.447195   |
|                | Reg              | Reg        | Regression        | Primad          | Primad       | 0.450495   |

**Fig 10: Model Comparison**

### Rules from the Rule Builder Node

The Rule builder node uses a set of simple rules to classify the ads into categories. Below we see the rules used for the various ad categories.

| Rules Obtained |        |                               |           |                 |                     |                           |
|----------------|--------|-------------------------------|-----------|-----------------|---------------------|---------------------------|
| Target Value   | Rule # | Rule                          | Precision | Valid Precision | True Positive/Total | Valid True Positive/Total |
| DATING         | 1      | join free                     | 90.48%    | 100.0%          | 19/21               | 5/5                       |
| DATING         | 2      | instant access                | 92.31%    | 100.0%          | 8/8                 | 2/2                       |
| DATING         | 3      | meet hot local                | 93.33%    | 100.0%          | 4/4                 | 0/0                       |
| DATING         | 4      | join--                        | 94.12%    | 100.0%          | 4/4                 | 0/0                       |
| DATING         | 5      | laid tonight                  | 92.50%    | 100.0%          | 5/6                 | 0/0                       |
| DATING         | 6      | hookup                        | 88.00%    | 100.0%          | 8/11                | 2/2                       |
| DATING         | 7      | meet and bang desperate horny | 85.96%    | 87.50%          | 5/7                 | 1/2                       |
| DATING         | 8      | join                          | 84.38%    | 88.89%          | 5/7                 | 1/1                       |
| DATING         | 9      | texas                         | 80.26%    | 75.00%          | 10/17               | 3/5                       |
| ESCORT         | 10     | outcall                       | 100.0%    | 100.0%          | 53/53               | 16/16                     |
| ESCORT         | 11     | incalls                       | 100.0%    | 100.0%          | 12/12               | 0/0                       |
| ESCORT         | 12     | outcalls                      | 97.75%    | 100.0%          | 24/26               | 5/5                       |
| ESCORT         | 13     | incall                        | 97.09%    | 100.0%          | 18/19               | 7/7                       |
| RECRUITING     | 14     | \$20,000                      | 80.00%    | 75.00%          | 8/10                | 3/4                       |
| RECRUITING     | 15     | phone chat operators          | 85.71%    | 83.33%          | 4/4                 | 2/2                       |
| RECRUITING     | 16     | hiring                        | 88.89%    | 71.43%          | 4/4                 | 0/1                       |
| RECRUITING     | 17     | rent                          | 87.50%    | 71.43%          | 5/6                 | 0/0                       |
| RECRUITING     | 18     | \$300                         | 86.21%    | 71.43%          | 4/5                 | 0/0                       |
| RECRUITING     | 19     | \$250                         | 85.29%    | 71.43%          | 4/5                 | 0/0                       |
| RECRUITING     | 20     | wanted                        | 82.50%    | 71.43%          | 4/6                 | 0/0                       |
| RECRUITING     | 21     | \$100                         | 70.37%    | 62.50%          | 10/21               | 0/1                       |
| RECRUITING     | 22     | \$400                         | 62.69%    | 63.64%          | 7/16                | 2/3                       |

**Fig 11: Rules Obtained**

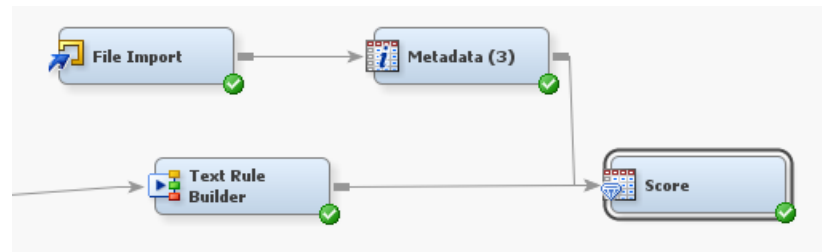


We can also see the rules in a text format. Below we see the textual rule for ad category Dating.

F\_Primad = DATING:

(OR, "join free", "instant access", "meet hot local", "join--", "laid tonight", (AND, (OR, "hook-up", "hookup", "hookups")), "meet and bang desperate horny", "join", "texas")

According to the rule if the ad has the words join free, instant access, meet hot local, join, laid tonight and has words like hookup, hook-up, hookups then the ad is classified as a Dating Ad. Rules like these were built by the text rule builder node of each category.



**Fig 12: Scoring new data**

The Rules obtained from the text rule builder were then used to score a data set with 1000 Ads to see if the rule builder model accurately identified the categories.

| Observati... | rownumber | adid     | adcontent   | Primad     | Target Variable: Primad | Document | Prediction for Primad |
|--------------|-----------|----------|---|------------|-------------------------|----------|-----------------------|
| 1            | 5206      | 10078251 | "SHEMALE HOOKUPS - Swap Hot Pics & Get Laid! - 22                             | Dating     | ... DATING              | 1        | ESCORT                |
| 2            | 12161     | 16656047 | "My photos are all real and just check out those big, soft boobs. - 32        | Escort     | ESCORT                  | 2        | ESCORT                |
| 4            | 18046     | 34516204 | "100 Your Favorite Native American BBW Waiting on Your call ALL - 26          | ... Escort | ESCORT                  | 3        | ESCORT                |
| 5            | 8954      | 14246447 | "Call Me 9414052729 - 26  | Escort     | ESCORT                  | 4        | ESCORT                |
| 6            | 6576      | 12807556 | "Everything You've Been Looking For - 35                                      | Escort     | ESCORT                  | 5        | ESCORT                |
| 7            | 21187     | 39130762 | "Kelly out call specials tonight only call now - 23                           | Escort     | ESCORT                  | 6        | ESCORT                |
| 8            | 14118     | 23573746 | "MEN - need a Quick, EZ \$200 CASH? - 65                                      | Escort     | ESCORT                  | 7        | ESCORT                |
| 9            | 18200     | 34987333 | "Exceptional Big Booty Beauty on the loose Sweet Unforgettable & - 28         | ... Escort | ESCORT                  | 8        | ESCORT                |
| 10           | 727       | 6517778  | "McKenzie Roe!!! Fun&Exciting!!!! Tempting treat... - 22                      | Escort     | ESCORT                  | 9        | ESCORT                |
| 11           | 5239      | 10230356 | "~Uniquely Qualified ~ *512-608-8248* (In Calls Only) NW Austin - 36          | ... Escort | ESCORT                  | 10       | ESCORT                |
| 12           | 10858     | 15584470 | "_____ Sensual hands _____ JUST _ FOR _ YOU !!! _____                         | ... Escort | ESCORT                  | 11       | ESCORT                |
| 13           | 12678     | 17046570 | "Petite REDHEAD spinner - 25  | Escort     | ESCORT                  | 12       | ESCORT                |
| 14           | 7274      | 13462669 | "Nurturing, caring soul...unwind at my discreet home. - 46                    | Escort     | ESCORT                  | 13       | ESCORT                |
| 15           | 10197     | 15275925 | "OUTRAGEOUS New Way to Meet Local Bang Buddies.. and it's FREE! - 21          | ... Escort | ESCORT                  | 14       | ESCORT                |
| 17           | 17544     | 33724068 | "Need CRAZY sex in Savannah right NOW? Join us! Satisfaction GUARANTEED! - 18 | ... Escort | ESCORT                  | 15       | ESCORT                |
| 18           | 8045      | 13821826 | "Young Sexy Redhead - 22  | Escort     | ESCORT                  | 16       | ESCORT                |
| 19           | 16279     | 31099268 | "LINDSEY 832-291-6447 OUTCALL VIP SERVICES UPSCALE SEXY - 29                  | ... Escort | ESCORT                  | 17       | ESCORT                |
| 20           | 3592      | 8700647  | "Sexy Sweet Diamond 3343151654 specials - 19                                  | Escort     | ESCORT                  | 18       | ESCORT                |
| 21           | 12352     | 16811593 | "Now Hiring - 18  | Recruiting | ... RECRUITING          | 19       | RECRUITING            |

**Fig 13: Output from Score node**

## CONCLUSION

Sexually oriented ads are often misspelled and use a lot of abbreviations. Given the unstructured nature of the ads, the model accuracy of 57% on the validation dataset is understandable. However, the model presented here is by no means complete. The model is in its elementary state. It is an attempt to utilize the power of text analytics in building a powerful tool for identifying sexually oriented ads. It can help identify websites such as Backpage.com which act as online portals of human trafficking. There is still a lot of scope for improvement as Human trafficking is a big issue and will require a lot more work to be done.

## REFERENCES

- Text Mining and Analysis: Practical Methods, Examples, and Case Studies Using SAS® by Goutam Chakraborty, Murali Pagolu, Satish Garla
- SAS Global Forum 2018- Paper 2309-201: The Life Expectancy of Phone Numbers in Escort Ads by James Van Scotter, Louisiana State University; Miriam McGaugh, Oklahoma State University, Denise McManus, University of Alabama
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- <https://polarisproject.org/massage-parlor-trafficking-report>
- <https://www.dhs.gov/blue-campaign/what-human-trafficking>
- <http://support.sas.com/documentation>

## CONTACT

Name: Stuti Mehrotra  
Enterprise: Oklahoma State University  
Address: Spears School of Business, Oklahoma State University, Stillwater, OK -74074  
Email: Stuti.Mehrotra @okstate.edu

Name: Dr. Miriam McGaugh  
Enterprise: Oklahoma State University  
Address: Department of Marketing, Spears School of Business, Oklahoma State University, Stillwater, OK - 74074  
E-mail: Miriam.McGaugh@okstate.edu