

AGE AND GENDER DETECTION

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ABSTRACT:

The massive use of the social media and the huge number of messages that are shared on the internet,create a countless need to automatically detect the age and gender of the people who write the messages.Several types of platforms uses several ways for finding the truth about a message .Here we used a few machine learning algorithms to classify them and detect them.

KEYWORDS:

Age,Gender,Machine learning

I. Introduction:

Nowadays,with the rapid spread in the use of internet resources and the huge amount of data shared on the internet,most of them were almost untrustable ,and were not recognized by people.Even a few People were afraid of those messages ,even some messages are leading to death of people.so as to detect them this project is used to detect the peoples who sent that message and classifies their age and gender.So as we can control and stop these kind of works.

II. LITERATURE SURVEY:

We already have several approaches to detect gender and age through facial images.We can do these classification on Gender Based on Human faces has been detected.We have collected certain datas of equipped work and

worked through it to detect age and gender and mentioned the methods used below.Here fig 1 indicates the Proposed age and gender detection.

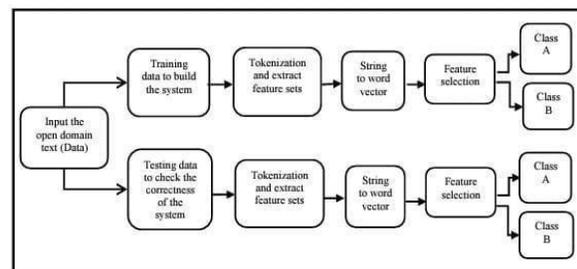


Fig. 1. The proposed age and gender methodology

III.METHODOLOGY

In the section,we present the methodology of the proposed age and gender detection system.The first step is to input the data.The second step is tokenization and extraction of the feature sets that we will use later to build the classifier,where tokenization of the data means chopping the text into words,The third step is applying string to word vector which is very important as it cleans the data by removing unnecessary information in order to improve system performance.The fourth step is applying feature selection to the data.The fifth step is applying the classifier using different algorithm namely(random forest,naive bayes,decision tree).The last step is producing the output class and evaluating the results.

IV. PROPOSED SYSTEM

Here the algorithms we used are **RandomForestClassifier:**

Random forests or random decision forests are an ensemble learning method for classification, regression and other tasks that operate by constructing a multitude of decision trees at training time.

Naive Bayes:

It is used to classify objects. It assumes strong, independent attributes of data points. It also includes spam filters, text analysis and even medical diagnosis.

Decision tree classifier

A decision tree is a decision support tool that uses a tree-like model of decision and their possible

consequences, including chance event outcomes, resource costs, and utility. It is one way to display an algorithm that only contains conditional control statements.

V. REQUIREMENTS:

- Python
- Jupyter notebook

DATA SETS:

The data is collected from project details. By classifying the data which satisfies all requirements, the result is evolved

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title,text,subject,date
Donald Trump Sends Out Embarrassing New Year's Eve Message; This Is Disturbing,"Donald Trump just couldn't wish all Americans a Happy New Year and leave it at that. Instead, he had to give a shout out to his enemies, haters and the very dishonest fake news media. The former reality show star had just one job to do and he couldn't do it. As our Country rapidly grows stronger and smarter, I want to wish all of my friends, supporters, enemies, haters, and even the very dishonest fake news Media, a Happy and Healthy New Year. President Angry Pants tweeted. 2018 will be a great year for America! As our Country rapidly grows stronger and smarter, I want to wish all of my friends, supporters, enemies, haters, and even the very dishonest fake news Media, a Happy and Healthy New Year. 2018 will be a great year for America! Donald J. Trump (@realDonaldTrump) December 31, 2017 Trump's tweet went down about as well as you'd expect what kind of president sends a New Year's greeting like this despicable, petty, infantile gibberish? Only Trump! His lack of decency won't even allow him to rise above the gutter long enough to wish the American citizens a happy new year! Bishop Talbert Swan (@TalbertSwan) December 31, 2017 You one likes you Calvin (@calvinstown1) December 31, 2017 Your impeachment would make 2018 a great year for America, but I'll also accept regaining control of Congress. Miranda Yaver (@mirandayaver) December 31, 2017 Do you hear yourself talk? When you have to include that many people that hate you you have to wonder? Why do they all hate me? Alan Sandoval (@AlanSandoval13) December 31, 2017 Who uses the word haters in a New Year's wish? Marlene (@marlene399) December 31, 2017 You can't just say happy new year? Koren politt (@korencarpenter) December 31, 2017 Here's Trump's New Year's Eve tweet from 2016: Happy New Year to all, including to my many enemies and those who have fought me and lost so badly they just don't know what to do. Love! Donald J. Trump (@realDonaldTrump) December 31, 2016 This is nothing new for Trump. He's been doing this for years. Trump has directed messages to his enemies and haters for New Year's, Easter, Thanksgiving, and the anniversary of 9/11. pic.twitter.com/dF9a2k2Yps Daniel Dale (@dadales) December 31, 2017 Trump's holiday tweets are clearly not presidential. How long did he work at Hallmark before becoming President? Steven Goodline (@SGoodline) December 31, 2017 He's always been like this... the only difference is that in the last few years, his filer has been breaking down. Roy Schulze (@rbthtttt) December 31, 2017 Who, apart from a teenager uses the term haters? Wendy (@wendyhtitles) December 31, 2017 He's a fucking 5 year old who knows (@rainyday8) December 31, 2017 So, to all the people who voted for this hole thinking he would change once he got into power, you were wrong! 70-year-old men don't change and now he's a year older. Photo by Andrew Burton/Getty Images. "News," December 31, 2017
Drunk Bragging Trump Staffer Started Russian Collusion Investigation,"House Intelligence Committee Chairman Devin Nunes is going to have a bad day. He's been under the assumption, like many of us, that the Christopher Steele dossier was what prompted the Russia investigation so he's been lashing out at the Department of Justice and the FBI in order to protect Trump. As it happens, the dossier is not what started the investigation, according to documents obtained by the New York Times. Former Trump campaign adviser George Papadopolous was drunk in a wine bar when he revealed knowledge of Russian opposition research on Hillary Clinton. On top of that, Papadopolous wasn't just a coffee boy for Trump, as his administration has alleged. He had a much larger role, but none so damning as being a drunken fool in a wine bar. Coffee boys don't help to arrange a New York meeting between Trump and President Abdel Fattah el-Sisi. It's of some note, before the allegation, to say, known before the dossier was out in western intelligence circles. Andrew Kim Trump hat
    
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Fig2. dataset

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1 title,text,subject,date
2 "As U.S. budget fight looms, Republicans flip their fiscal script",WASHINGTON (Reuters) - The head of a conservative Republican faction in the U.S. Congress, who voted this month for a huge suspension of the national debt to pay for tax cuts, called himself a "fiscal conservative" on Sunday and urged budget restraint in 2018. In keeping with a sharp pivot under way among Republicans, U.S. Representative Mark Meadows, speaking on CBS' "Face the Nation," drew a hard line on federal spending, which lawmakers are bracing to do battle over in January, when they return from the holidays on Wednesday. Lawmakers will begin trying to pass a federal budget in a fight likely to be linked to other issues, such as immigration policy, even as the November congressional election campaign approach in which Republicans will seek to keep control of Congress. President Donald Trump and his Republicans want a big budget increase in military spending, while Democrats also want proportional increases for non-defense "discretionary" spending on programs that support education, scientific research, infrastructure, public health and environmental protection. "The (Trump) administration has already been willing to say, 'we're going to increase non-defense discretionary spending ... by about 7 percent,'" Meadows, chairman of the small but influential House Freedom Caucus, said on the program. "Now, Democrats are saying that's not enough, we need to give the government a pay raise of 10 to 20 percent. For a fiscal conservative, I don't see where the rationale is. ... Eventually you run out of other people's money," he said. Meadows was among Republicans who voted in late December for their party's debt-financed tax overhaul, which is expected to balloon the federal budget deficit and add about $1.5 trillion over 10 years to the $20 trillion national debt. "It's interesting to hear Mark talk about fiscal responsibility," Democratic U.S. Representative Joseph Crowley said on CBS. Crowley said the Republican tax bill would require the United States to borrow $1.5 trillion, to be paid off by future generations, to finance tax cuts for corporations and the rich. "This is one of the least ... fiscally responsible bills we've ever seen passed in the history of the House of Representatives. I think we're going to be paying for this for many, many years to come," Crowley said. Republicans insist the tax package, the biggest U.S. tax overhaul in more than 80 years, will boost the economy and job growth. House Speaker Paul Ryan, who also supported the tax bill, recently went further than Meadows, making clear in a radio interview that welfare or "entitlement" reform, as the party often calls it, would be a top Republican priority in 2018. In Republican parlance, "entitlement" programs mean food stamps, housing assistance, Medicare and Medicaid health insurance for the elderly, poor and disabled, as well as other programs created by Washington to assist the needy. Democrats seized on Ryan's early December remarks, saying they showed Republicans would try to pay for their tax overhaul by seeking spending cuts for social programs. But the goals of House Republicans may have to take a back seat to the Senate, where the votes of some Democrats will be needed to approve a budget and prevent a government shutdown. Democrats will use their leverage in the Senate, which Republicans narrowly control, to defend both discretionary non-defense programs and social spending, while tackling the issue of the "Dreamers," people brought illegally to the country as children. Trump in September put a March 2018 expiration date on the Deferred Action for Childhood Arrivals, or DACA, program, which protects the young immigrants from deportation and provides them with work permits. The president has said in recent Twitter messages he wants funding for his proposed Mexican border wall and other immigration law changes in exchange for agreeing to help the Dreamers. Representative Debbie Dingell told CBS she did not favor linking that issue to
    
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fig3. datasets

VI. RESULTS:

The obtained acquired results are

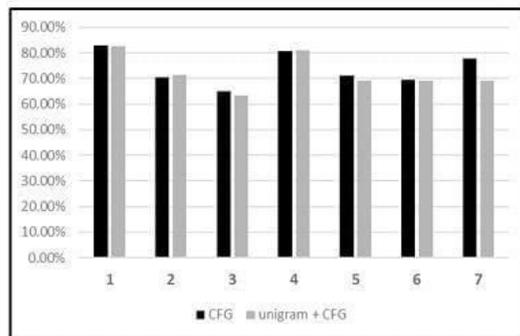


fig.4. experimental data analysis for two combined classifiers.

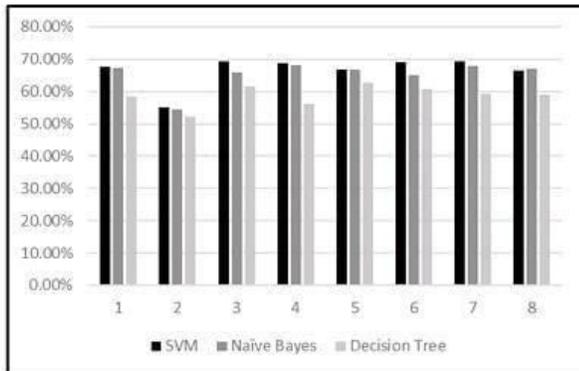


Fig.5 Age prediction

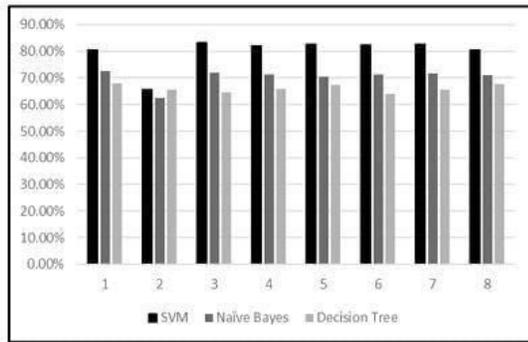


Fig.6 Age prediction with accuracy and frequency.

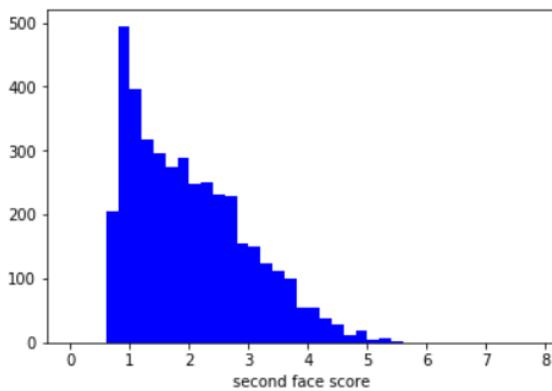


Fig 7 Analysis of Face Score

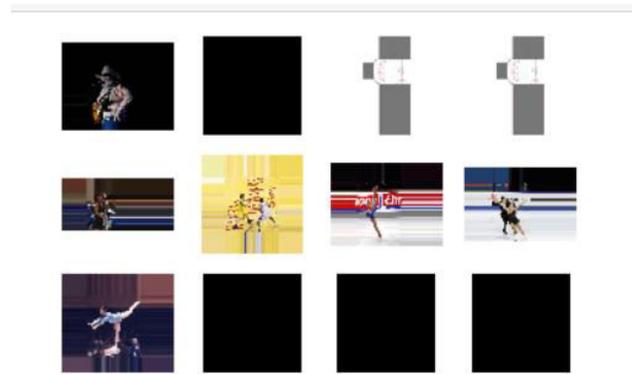


Fig 8: Classification of data

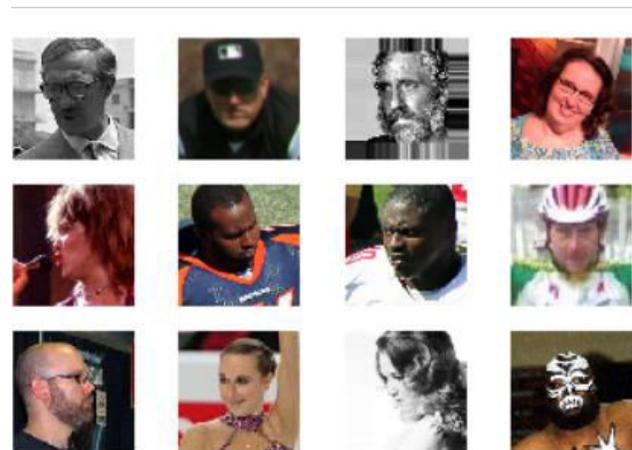


Fig 9: Face detection

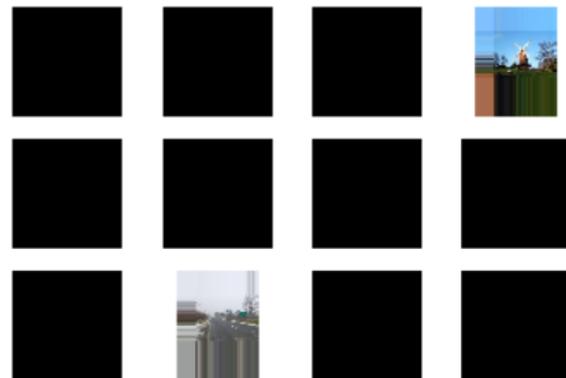


fig:10 Removing undetected option

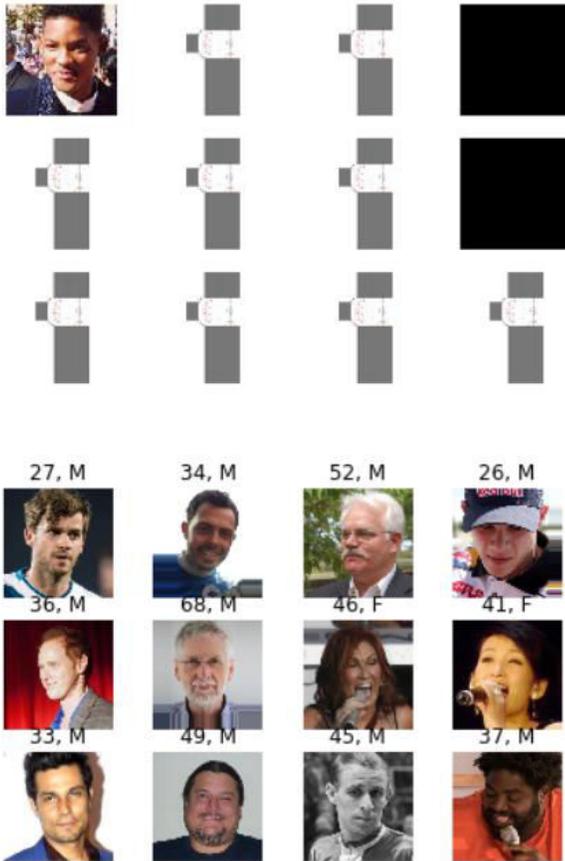


fig:11 Final result

VII.CONCLUSION:

So we can Say that by using these algorithms to certain data sets we can get the acquired results.

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