## PARSHWANATH CHARITABLE TRUST'S



## A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Data Science



Semester: VI

Subject : DAV

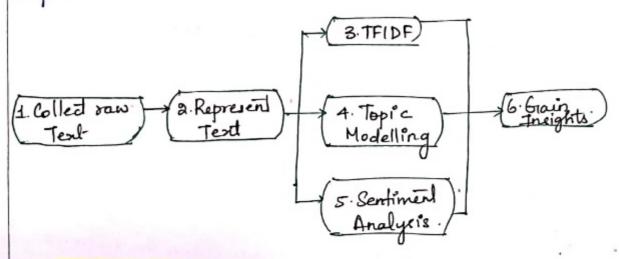
Academic Year: 2028-2024

Text Analysis Example:

Consider any example. of a product it has to undergoe. the following steps. Consider the company ACME, maker of 1000 products: b Phone and bEbook.

I reeds to answer questions such as there.

What is being said? Fre the producti seen as good or bad? If people think an ACME product is bad, why? For example, are they complaining about the battery life of the bPhone, or the response time in their Ebook?



1 Collect Raw Data: 
\* It includes the phase 1 and phase 2 of Data Analytics

Life cycle.

\* The Dalu Science team investigates the problem, understands the necessary data sources, and formulates initial hypothesis.

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\* The Data Science teams starts by actively monitoring various websites for uses-generaled contents

\* The user-generated contents being collected could be related articles from news portals and blogs, comments on ACMEE products from online shops or review sites, or Social media poets that contain keywords behove or Ebook.

\* They gather data through semi-structured data - XML, HTML, RSS feeds, JSON etc.

Example:

A sample west that contains the keyword behone:

018

02 ("created-at: Thu Ang 15 20:06:48 +0000 2018",

03 "coordinates: {

04 "type: "Point",

05 "coordinates": f.

22 "text": 'I once had a gf back in the day. Then the bPhone came out lol!

In this enemple Fields created at lines and tent at line 22 in the previous tweet provide the information that interest ACME. The created at entry stores the timesterny that the event was published, and the line field stores the main content of the Twitter post.

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Academic Year: 2025 2024 Many news portal and blogs provide data do feeds that are in a open standard formal, such as RSS and XML. As an example, an RSS feed for a phone review blog is shown rest. OI (channel) Ltitle> All about bPhone </title> 02 <description> My phono Review sile < description> 03 k) http://www.phones.com/link.html</link).</p> 05 06 Litem> <tite> bPhone: The best</title>. <descuiption> I love my bPhone! Welescuiption> 08 / link > html/ link > html 09 Lguid is Permalink = "false" > 1102345 L/quid > Lpub Dales Tue 29 Aug 2011 09:00:00 -4002/pubDate> 12. Lilim> 13. </channel>. The content from the fifte (lines), the description (lines), and the published date (pubDate, line 11) is what ACME is inderested If the plan is to collect wer comments on ACMES producte from online shops and review site where API's or date feeds are not provided, the team may have to write web scrapers to passe webpages and automotically extrad the interesting data from those HTML files.

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