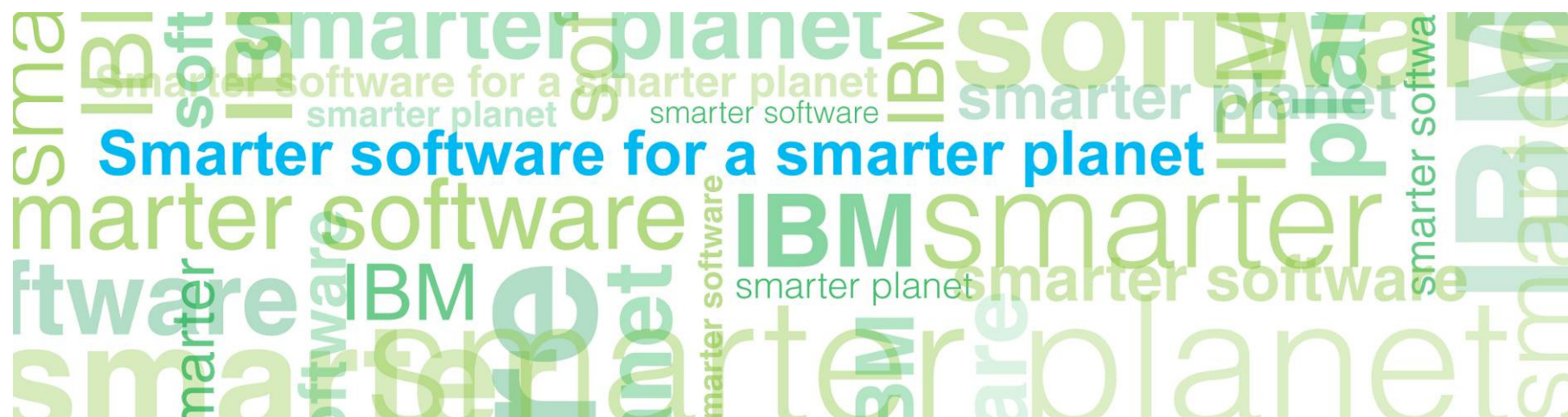


What you can accomplish with *IBM Content Analytics*

An Enterprise Content Management solution



“What is IBM Content Analytics? Alex”

On February 14-16, IBM’s Watson computing system made its television debut on the popular quiz show Jeopardy!.

What is Watson?

... an information seeking tool that’s capable of understanding your question to make sure you get what you want and then deliver’s that content through a naturally flowing dialog”

-- Dr. David Ferrucci, Principal Investigator, Watson project

Business Challenge

Jeopardy! poses a similar set of information challenges as those found in business world today:

- Over 80% of information being stored is unstructured (or text based).
- It requires analyzing text ... which is not easy ... subtle meaning, irony, riddles, and other complexities all present unique computing challenges not found with structured data in order to derive meaning and insight. This requires something called natural language processing.

Watson leverages the power of natural language processing (NLP) and UIMA

Several IBM ECM products leverage UIMA and NLP:

- IBM Content Analytics
- OmniFind Enterprise Edition
- IBM Classification Module
- IBM eDiscovery Analyzer



Unlock **valuable insight** from content

What our clients are doing with Content Analytics

Understand what customers want **before they ask.**



Detect fraudulent claims before they are paid.



Dynamically deploy resources to the areas of greatest threat.



Save lives by quickly identifying critical safety defects.



Are you unlocking the value of your unstructured content?

A Healthcare and University Partnership

Smart is: **unlocking** biomedical informatics

Answers

"IBM Content Analytics enables Healthcare and University researchers answer biomedical questions that were not answerable before."



Industry context: healthcare

Value driver: access to biomedical trends, insight

Solution onramp: content analytics

Business Challenge

Existing Biomedical Informatics (BMI) resources were disjointed and non-interoperable, available only to a small fraction of researchers, and frequently redundant. No capability to tap into the wealth of research information trapped in unstructured clinical notes, diagnostic reports, etc.

What's Smart?

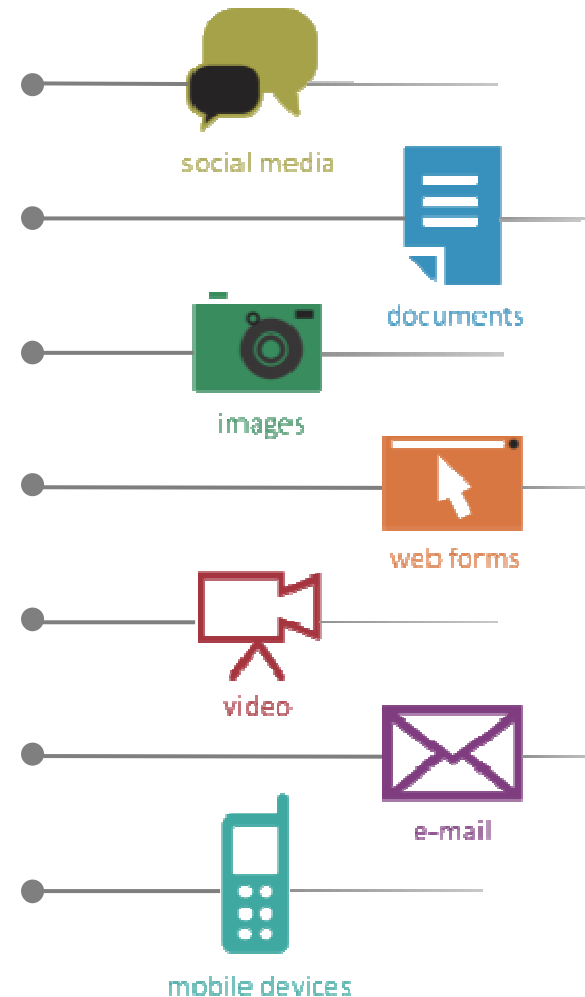
Capitalizing on the untapped, unstructured information of clinical notes and reports by using IBM Content Analytics with IBM InfoSphere Warehouse.

Smarter Business Outcomes

Researchers now able to answer key questions previously unavailable. Examples include *Does the patient smoke?, How often and for how long?, If smoke free, how long? What home medications is the patient taking? What is the patient sent home with? What was the diagnosis and what procedures performed on patient?*

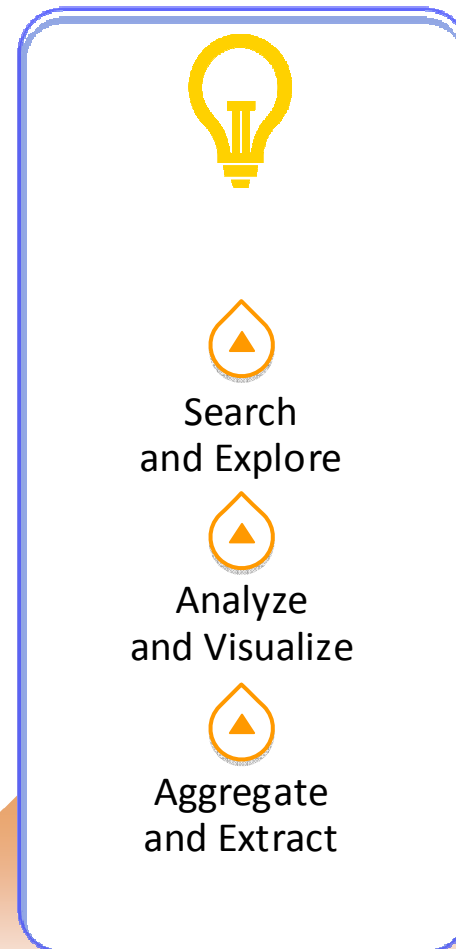
Separate the **signal** from the noise

Leveraging content requires the ability to **search, assess** and **analyze** large volumes of **text** in order to understand and determine relevant **insight** quickly ... from multiple information sources **inside and outside the firewall**.



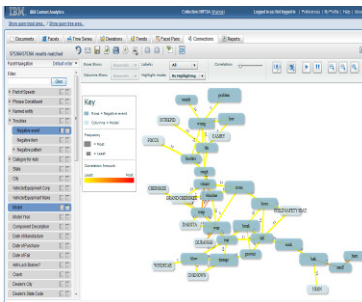
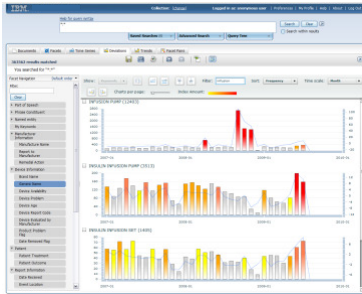
IBM Content Analytics is a platform to derive rapid insight

- Transform raw information into **business insight quickly** without building models or deploying complex systems.
- Derive insight in **hours** or **days** ... not weeks or months.
- **Easy to use** for all knowledge workers to **search** and **explore** content.
- **Flexible** and **extensible** for deeper insights.



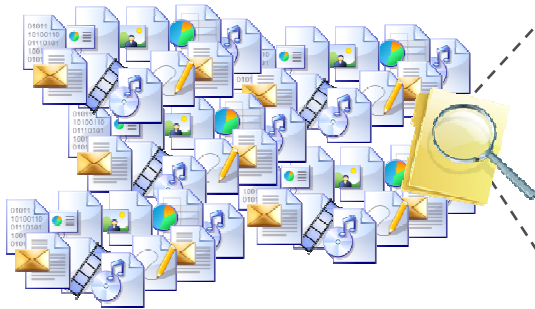
A robust content analytics platform that features...

Immediate benefit from out of the box capabilities

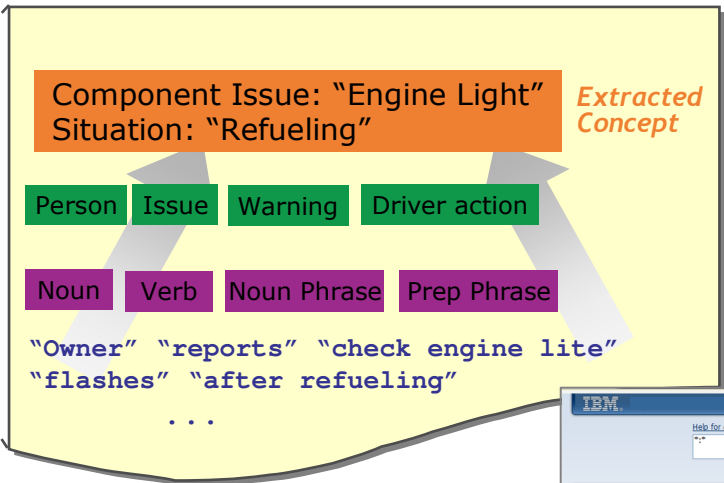


- Support for analysis of over 30 content sources and over 150 content formats
- Packed with valuable knowledge annotators to automatically extract meaningful concepts and entities without customization.
- Eight user-friendly, graphical views to intuitively uncover new insight.
- Ability to plug-in custom views for advanced mining.
- Dynamic highlighting of interesting anomalies and correlations in the content
- Open, standard UIMA-based text analysis pipeline for flexibility and growth
- Highly scalable and extensible
- Easily-to-use, flexible tooling to tailor annotators, rules and dictionaries.
- Enhance content management with insight in your ECM Filenet P8 system.
- Analyze cases for improved Advanced Case Management
- Extend content insight into IBM Cognos 8 BI and its reports and dashboards
- Integrate into any application environment – from desktop to mainframe – via web services or native Java APIs.
- IBM Classification Module is a proven advanced classification tool to categorize and cluster documents using the context within the content. It's context sensitive and highly accurate (optional).

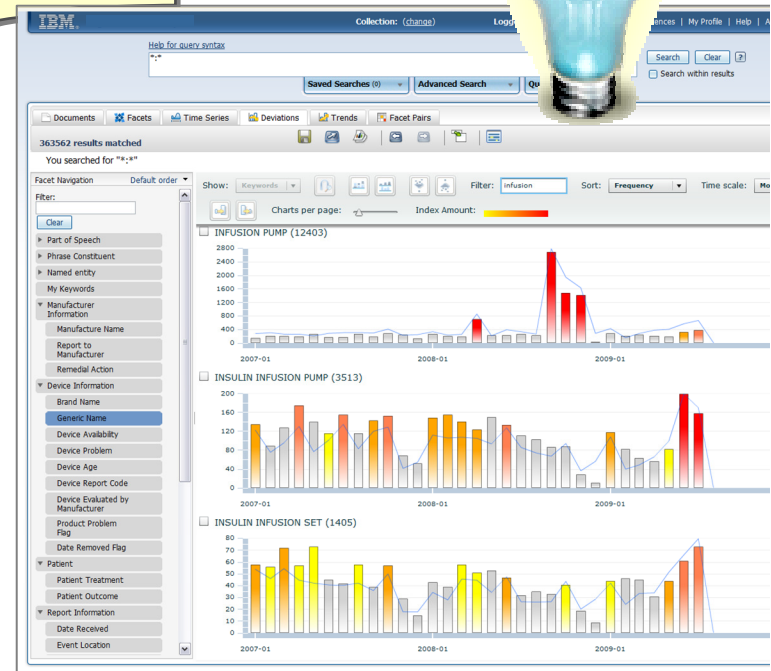
IBM Content Analytics 101 – How it works



Source Information
Corporate (Contact Center, Test Data, Dealer notes, ECM, etc.) and External (NHTSA, Edmunds, Consumer Reports, MotorTrend etc.)



Analyzed Content (and Data)



Automatic Visualization for Interactive Exploration and Assessment

Tailor your text analysis with flexible, easy-to-use tooling

1 Develop your Custom Text Analysis with Tooling

Build language and domain resources into a LanguageWare dictionary.
Develop rules to spot facts, entities and relationships.
Create and test UIMA annotators with a collection of documents.

2 Export your Custom Text Analysis

Easily generate the annotators to be Content Analytics ready

View of
Project Resources

The screenshot shows the LanguageWare Resource Workbench interface. On the left, a tree view displays project resources including Annotations, Documents, Resources, Dictionaries, Rules, and Results. The main window shows a document titled 'LW.txt' with text about LanguageWare. An 'Export' dialog box is open, allowing the user to select an export destination from a tree view containing 'General', 'IBM LanguageWare', and 'Export Database'. Below the dialog, a table displays the results of the export process.

@com.ibm.es.oze.lrw.sample.Product	4	The LanguageWare Resource Workbench	Wh
@com.ibm.es.oze.lrw.sample.Product	47	Resource Workbench	What is LanguageWare
@com.ibm.es.oze.lrw.sample.Product	66	What is LanguageWare? IBM LanguageWare	
@com.ibm.es.oze.lrw.sample.Product	351	t for more than 20 languages. LanguageWare is	
@com.ibm.es.oze.lrw.sample.Product	666	tion has never been so great. LanguageWare te	
@com.ibm.es.oze.lrw.sample.Product	853	ines and their resources. LanguageWare cor	
@com.ibm.es.oze.lrw.sample.Product	1378	rules and ontologies. The LanguageWare lib	

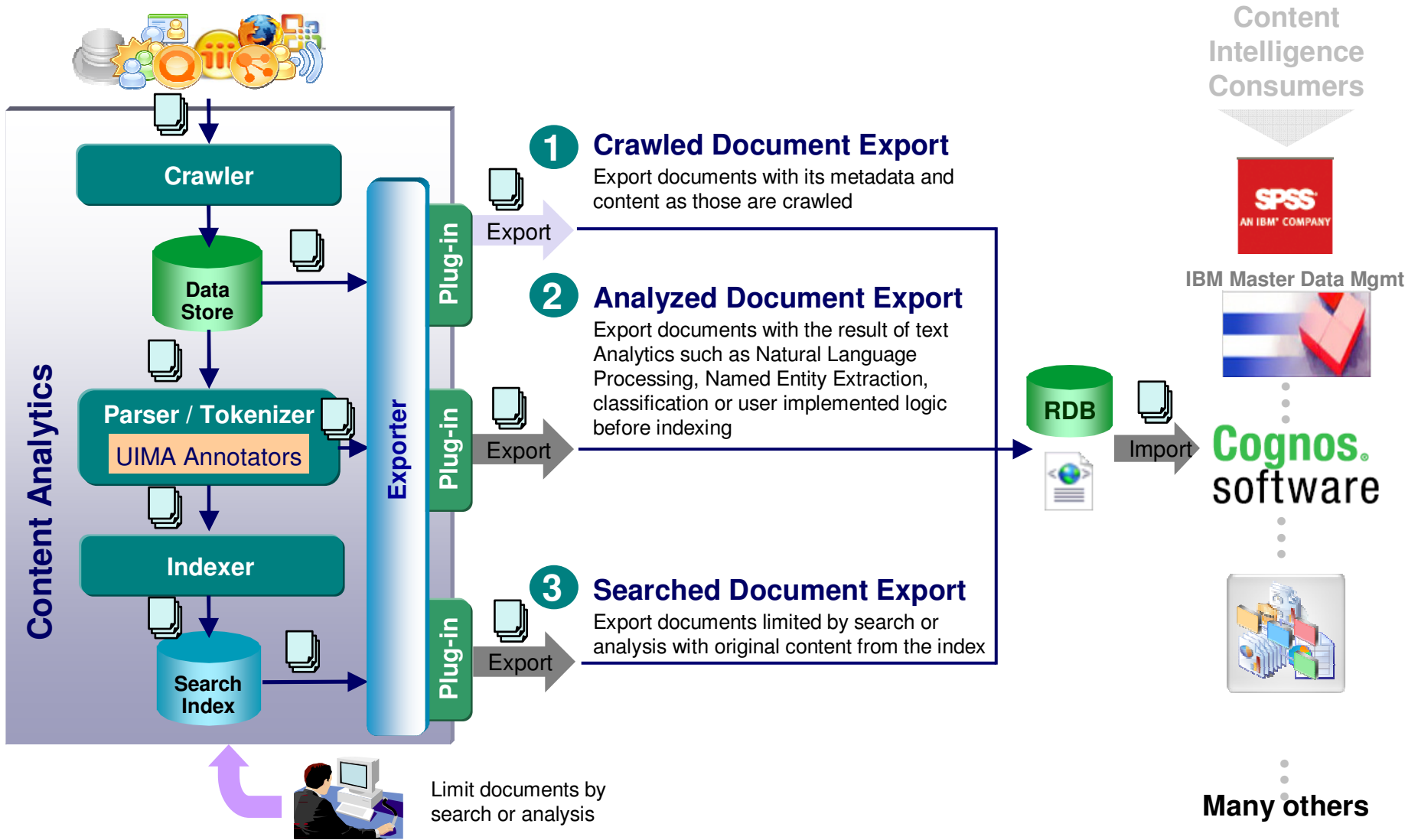
Easy to export
your custom text
analysis

Easy to test and verify
your tailored text analysis

3 Deploy your Custom Text Analysis with in ICA

Import newly created annotators via Content Analytics administration console and associate it to a collection.

IBM Content Analytics: Analysis Export Capability



IBM Content Analytics adds value to...



Healthcare Analytics

Analyzing: E-Medical records, hospital reports

For: Clinical analysis; treatment protocol optimization

Benefits: Better management of chronic diseases; optimized drug formularies; improved patient outcomes



Customer Care

Analyzing: Call center logs, emails, online media

For: Buyer Behavior, Churn prediction

Benefits: Improve Customer satisfaction and retention, marketing campaigns, find new revenue opportunities



Crime Analytics

Analyzing: Case files, police records, 911 calls...

For: Rapid crime solving & crime trend analysis

Benefits: Safer communities & optimized force deployment



Insurance Fraud

Analyzing: Insurance claims

For: Detecting Fraudulent activity & patterns

Benefits: Reduced losses, faster detection, more efficient claims processes



Automotive Quality Insight

Analyzing: Tech notes, call logs, online media

For: Warranty Analysis, Quality Assurance

Benefits: Reduce warranty costs, improve customer satisfaction, marketing campaigns



Social Media for Marketing

- **Analyzing:** Call center notes, SharePoint, multiple content repositories
- **For:** churn prediction, product/brand quality
- **Benefits:** Improve consumer satisfaction, marketing campaigns, find new revenue opportunities or product/brand quality issues



NTT Docomo

Smart is: reducing customer churn

"Insight into customer interaction logs is an information gold mine for us."

— General Manager
Japan



Industry context: telecommunications
Value driver: improve customer service
Solution onramp: content analytics

Business Challenge

Adopt a customer-oriented business strategy to offer highly satisfying products and services based on real voice of customers (VoC).

What's Smart?

They process call center notes and customer emails to detect likely candidates for customer churn. A rules-based text analysis engine in IBM Content Analyzer detects the customer churn candidates. An alerting engine then automatically sends reports to a department that deals specifically with customer churn situations.

Smarter Business Outcomes

Improved rates for model and service upgrades to loyal customers. Started new Premium Club points program based on VoC. Set initial parameters of mobile phones based on VoC.

DEMO

IBM Content Analytics v2.2



Where to find ICA resources

IBM Content Analytics ✕

About 13,700,000 results (0.18 seconds)

[Advanced search](#)

[IBM - Content Analytics - Software](#) ☆ 🔍

Content analytics software that helps companies gain new business insights through the analysis of unstructured content. View a demo of **IBM Cognos Content ...**

www.ibm.com/software/data/content-management/analytics/ - [Cached](#)

The image shows a YouTube video player interface. At the top left is the YouTube logo. To its right is a search bar containing the text "ibm content analytics" and a "Search" button. Below the search bar, the video title "IBM Content Analytics" is displayed, along with the channel name "IBMECM" and "6 videos" with a "Subscribe" button. The main video area is a grey rectangle with the text "IBM Content Analytics" and "Over 50 years of text analysis and discovery" centered on it. At the bottom, there is a video progress bar showing "1:17 / 4:42" and a resolution indicator "480p".

This promotional card features the title "Content Analytics" at the top. Below it is a black banner with the IBM Watson logo, which consists of a globe icon and the text "IBM. WATSON". The main text reads: "Learn what Watson is, how it works, and how the technology can be adapted to solve problems." At the bottom, there is a call-to-action: "→ Register to listen to the ECM podcast."

This promotional card has the title "IBM Content Analytics" at the top. Below it is a graphic with three overlapping circles in red, green, and blue. To the left of the circles, the words "Know.", "Trust.", and "Leverage." are stacked vertically. The main text reads: "Analyze unstructured content to unlock critical business insight." At the bottom, there is a call-to-action: "→ Register for new webinars and white papers."

More Information

- *Solution Briefs*
- *Press Releases*