Making Data Accessible
Data Solutions for the 21st Century
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General Manager of Academic & Nonprofit at Nexis Solutions

Strategy, market and product direction across global markets to deliver customer-first initiatives that drive growth.
We’ll cover:

- Big data and Data Science trends
- How they are impacting academia today
- A new approach to big data analysis for academia
Trend: **Big Data is Growing**

- $180B: In global spend on big data and business analytics
- 175ZB: Data in global datasphere by 2025
- $16T: Contribution of AI to the global economy in 2030
- €200B: EU Investment strategies for AI, Data & Blockchain
The Big Opportunity: Jobs for Your Graduates

#1 Job on Glassdoor for 4 years Data Science

11.5M new Data Science jobs by 2026

5 of 15 top growing careers today are in Data Science

28,500 Data Science jobs on LinkedIn – across sectors.

LexisNexis
"In 2022, companies will need to embrace the role of the ‘citizen data scientist,’ which are employees who work with predictive/prescriptive analytics models but whose primary job function lies outside the field of data science and analytics,”

- Alicia Frame, Director of product management for data science, Neo4j.
Created their own team of Data Scientists through an in-house AI Bootcamp.

- 8-week Course
- 101 people in 2021
- Across roles & departments


- Power chatbots
- Foster customer loyalty
- Predict equipment failures
Trend: Data Lakes & Data Fabric

Organizations are building more data silos, not fewer, and with the growth of cloud computing, the problems surrounding data diversification are bigger than ever

Alex Woodie, datanami.com
Big Data.

Big Hassle?

- Hosting and storing issues
- Multi-step & Products needed
- Dev & Access management
- Finding & Licensing data sources
- Reproducibility
Nexis® Data Lab
The Next Generation of Text & Data Mining
Search & Refine

Tap into our vast data lake and quickly build customized data sets using LexisNexis SmartIndexing technology.
Empowered Analysis

Uncover unique insights, trends and connections with

• Jupyter notebook
• Python and R programming
• Coding Libraries
Reproducibility

Export your coding, analysis, and document manifest to recreate and validate your work.
Focus on the data analysis, and we’ll take care of the rest.

Hassle Free.

- No hosting on your end
- Turnkey all-in-one solution
- Quick access
- Unrivalled data source collection
- Reproduce your findings easily
Research Goals

- Uncover firm-to-firm relationships through public corporate announcements
- Organize high-volume data to properly train an automated text processing algorithm

Approach Using Data Lab

1. Broad Content Discovery
   Found more than 1.8 million relevant results

2. Powerful Filtering Tools
   Utilized metadata to search within results and create relevant subsets

3. Analyze & Visualize Data
   Quick data visualizations to “sanity check” each step in the process

4. Custom Code Environment
   Imported code into the Jupyter notebook environment for custom analysis

Results

“I can do things that weren’t possible before.”
- Jakob Rauch, PhD student

• Algorithm trained to map firm-to-firm relationships using high-volume data
• Scalable and replicable code securely organized and stored within the Jupyter notebook through Data Lab
Our learnings along the way.

- Use cases
- Workspace size
- Content types
- More code libraries
Face the Future with Confidence

- Empower students & faculty
- Partner with your providers to find best-fit technologies
Thank you

Check for more information:

www.lexisnexis.nl