

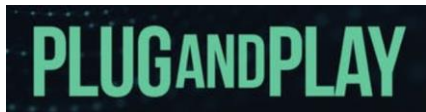
BEYOND REALTIME

Predicting supply chain risks from social media

Dr. Lisa Smith

Ing. Harald Nitschinger, BA

Prewave is supported by



Predicting supply chain & sustainability risks from global media data

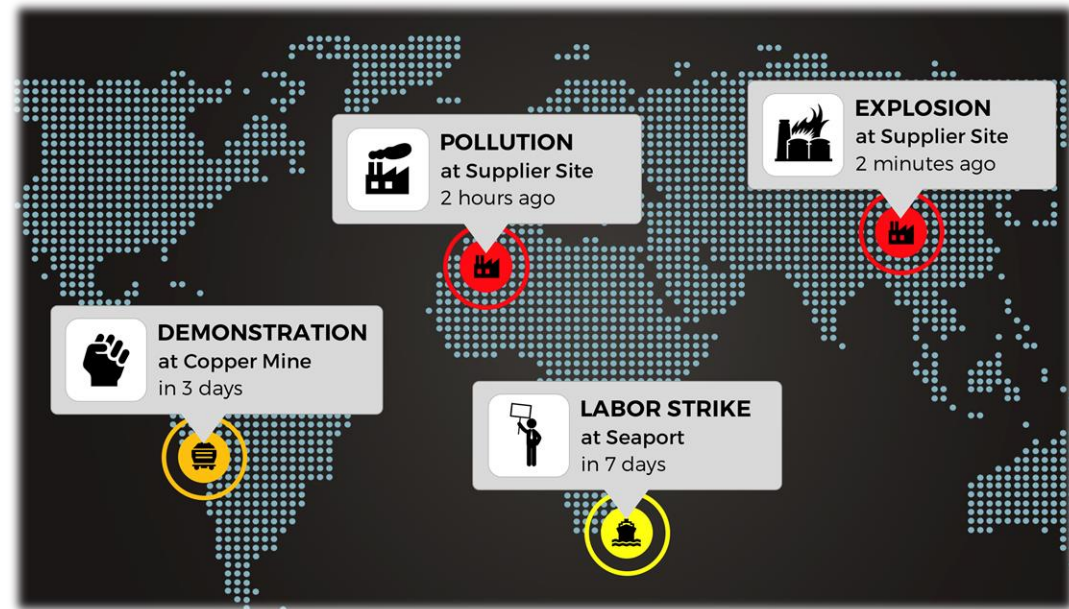


**Social Media,
News, Blogs**
Global
& Multilingual
+50 languages



**Prewave
Artificial
Intelligence**

Based on 8 years
AI R&D



**Disruption & Sustainability
Risk Alerts**

100+ Risk categories covered by Prewave



Predictable

Labor unrest

- Labor strikes
- Labor protests
- Labor disputes
- Worker suicides



Predictable

Political unrest

- Political Protests
- Bomb Threats
- Shootings
- Terrorism



Predictable

Financial Stress

- Layoffs
- Unpaid wages
- Site closures
- Rating decreases



Predictable

Legal Stress

- Regulatory shutdown
- Lawsuits
- Corruption, Theft
- Investigations



Detectable

Industrial Accidents

- Fires & Explosions
- Building Collapse
- Workplace accidents
- Equipment failure



Detectable

Natural Disasters

- Floods
- Hurricanes
- Earthquakes
- Landslides



Detectable

Cyber Risks

- Data Leaks
- Cyber attacks
- Data privacy issues



Detectable

Operational

- Congestion
- Supplier Issues
- Blockades & Interruptions



Detectable

CSR Incidents

- Pollution, Contamination
- Unethical labor
- Poor working conditions
- Other Misconduct



Detectable

Product Incidents

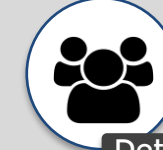
- Product Recalls
- Product Hazards
- Product Failures



Detectable

Consumer Unrest

- Consumer Campaigns
- Boycotts
- Petitions



Detectable

Governance risks

- Management change
- Mismanagement
- Policy changes
- Corporate Wrongdoing



Detectable

Strat. Developments

- Mergers & Acquisitions
- Partnerships
- Product Launches
- Innovation Activities

Perspectives

All

Disruption Risks

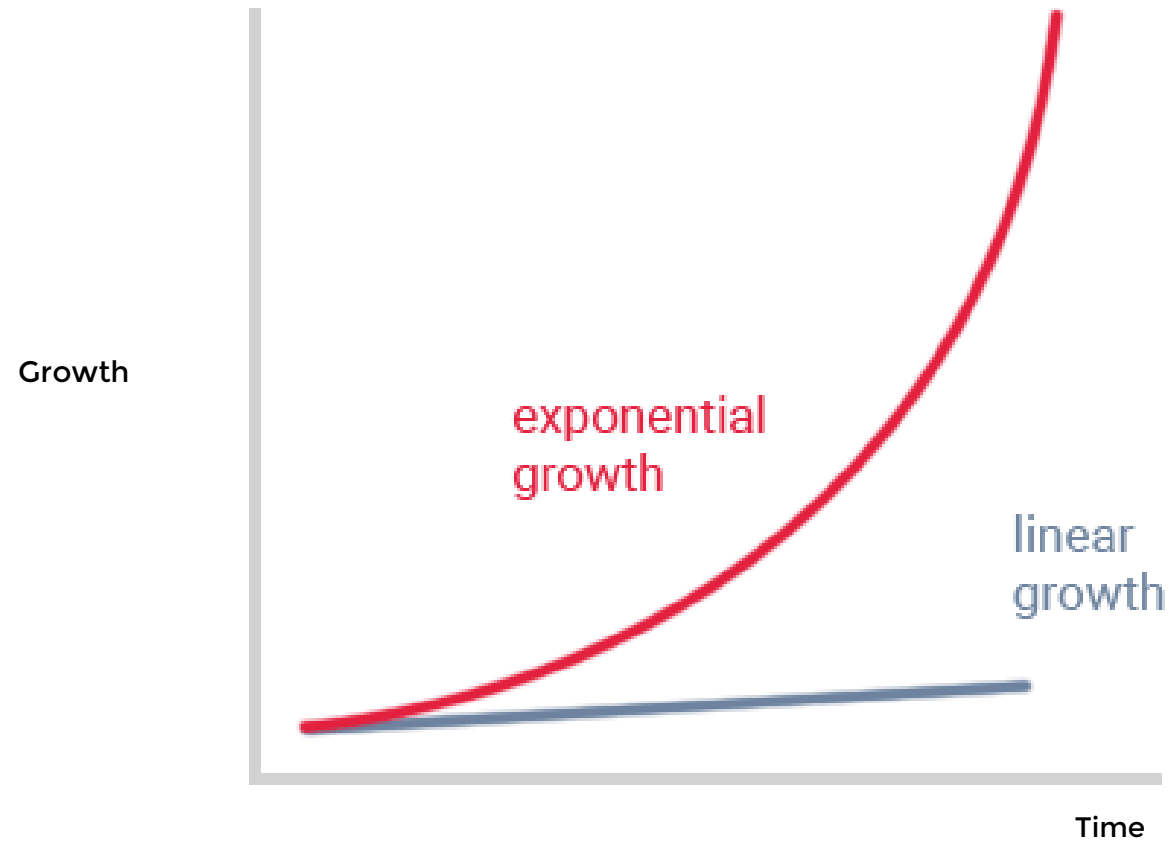
Sustainability Risks

Financial / Legal Risks

What is a startup?

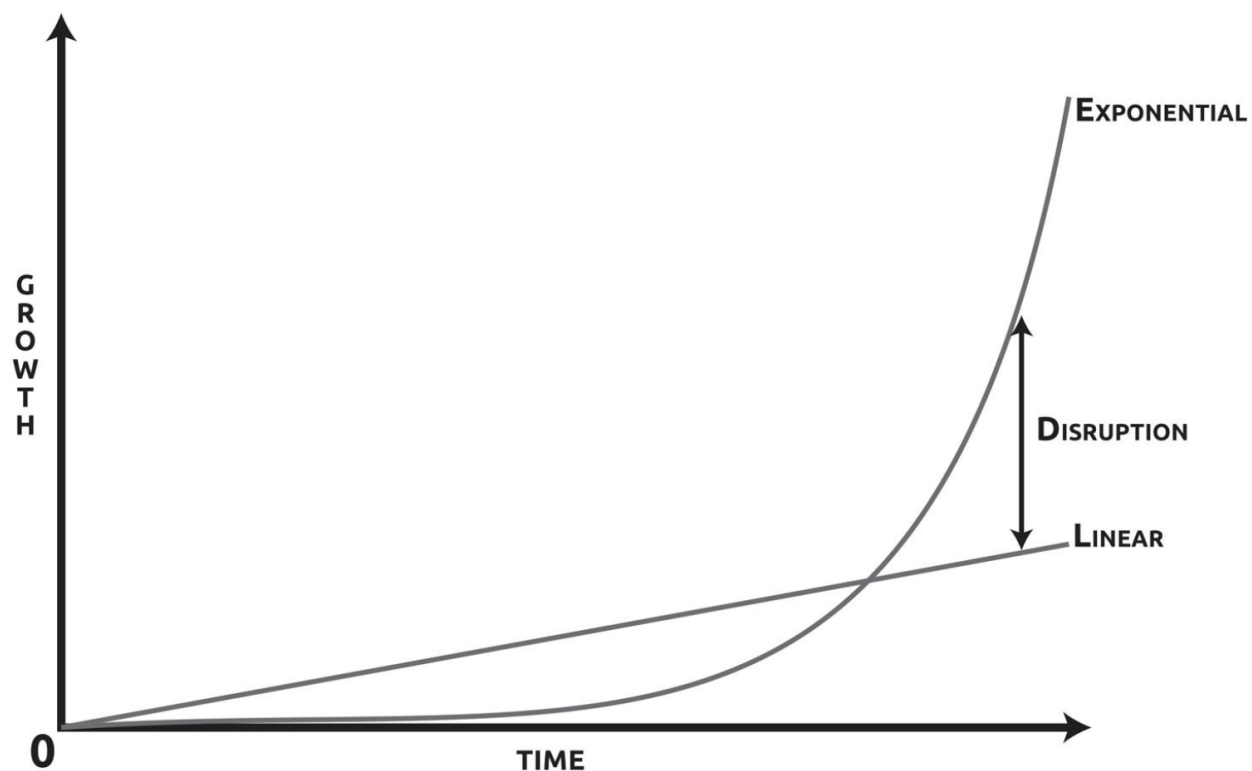
A startup is an organization formed to search for a repeatable and scalable business model.

Linear vs exponential growth





LINEAR VS. EXPONENTIAL



CLIENTS

USERS

EMPLOYEES

TRUST IN THE
STARTUP

OTHER STAKEHOLDERS
(CONSUMER, NGOs,
LABOR UNIONS, etc)

INVESTORS

PUBLIC FUNDING
ORGANIZATIONS

Our Experiences

- Systematic scanning of risks for the first time
- The workshops led to inspiring exchange & new ideas
- We identified win-win opportunities
 - more ethical & more value for the customer
- High employee engagement

Prewave's vision of ethics in AI startups

To build „ethical technology“ that is used for good

we need to create a **company culture**
that values ethics

Making tomorrow's supply chains transparent, resilient and sustainable



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