



SAS® FORUM | 中国用户大会暨
CHINA 2018 | 商业分析领袖峰会

智慧城市与大数据分析

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人工智能是通过自主学习与自动化模仿人类行为 完成特定任务的训练系统科学



理解场景



学习模式



识别目标

智慧城市系统的应用

几乎融入在每一个政府体系场景中...



医疗健康



教育



商业



劳动



司法



环境



能源



农业



安全



体育及艺术



电信



交通



海关



税务

and many others

确保市民就业率

Demand-side attributes

Current Workforce Employability - across two attributes:

- Willingness –workforce participant's desire to engage in labour market activities
- Ability –workforce participant's capacity to translate the desire into action

Need for employability - by sector of industry

- Technological developments
- Organizational developments
- Economic developments (mainly, marketplace and competition)
- Demographic developments.

Effectuation conditions conditions under which workforce participants can effectuate their employability within various sectors of industry

Supply-side attributes

Employability assets:

- **Baseline assets:** basic skills and attributes
- **Intermediate assets:** job specific skills
- **High level assets:** skills that are potentially transformational

Skill Marketing:

- **Presentation:** Ability to secure appointment to a position through effective demonstration
- **Deployment:** Ability to use a strategic approach to manage career

Context factors:

- **External conditions** - local and national labour market and employer hiring sentiment
- **Personal circumstances** affecting the ability of individuals to seek and benefit from opportunities.



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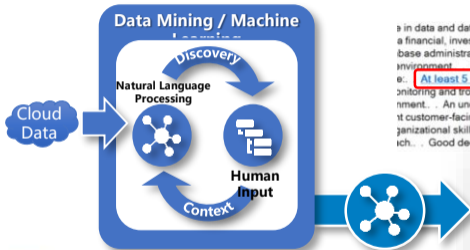
Labor



语义分析的下一级：工作描述



Labor



... in data and database design for shared databases... Experience of supporting various
a financial, investment environment... Experience with Oracle Server administration...
base administration... Security experience (anti-virus, firewalls, proxies and
environment... Must have excellent English communication skills, both written and
e. **At least 5 years experience working as a Database Administrator in a large**
onitoring and troubleshooting of Database Systems... Experience of working within a
nment... An understanding of incident management within IT infrastructure
it customer-facing skills and a pleasant telephone manner... Must possess strong
ganizational skills... Ability to work logically and methodically and have a high
ich... Good dec



SAS Content Categorization Studio

ARGUMENT 0 [role]: Database Administrator
ARGUMENT 1 [action]: working
ARGUMENT 2 [skilldomain]: Database
ARGUMENT 3 [level]: At least
ARGUMENT 4 [years]: 5 years

OK



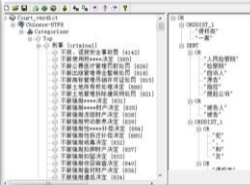
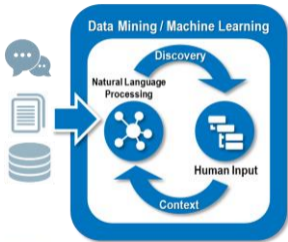
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司法文件分类



Justice



- 丰富的标签，实体网络，可视化Q&A
- 推荐相关的过往案例，规划深度分类，相关性评级
- 可视化所有相关实体/个人
- 极大降低调研工作，更佳处理司法判断



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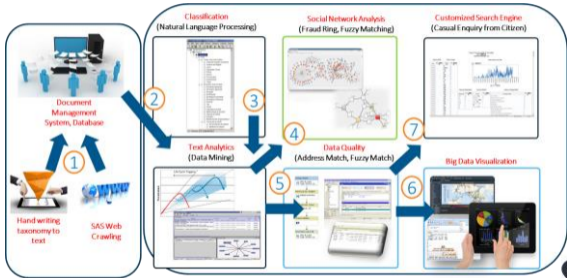
重大事故调查与灾害保障系统



Security



香港特別行政區政府
香港警務處



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神经网络

感知



前馈网络(FF);
径向基础网络(RBF)



支持向量机(SVM)



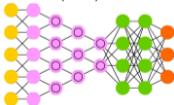
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深度学习

深度神经网络
(DNN)



卷积神经网络
(CNN)



递归神经网络
(RNN)

长期短期记忆

(LSTM)

门限循环单元(GRU)

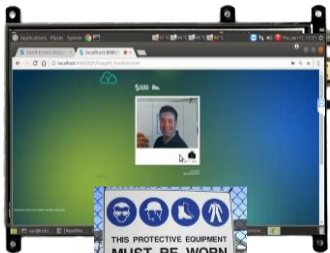


自动编码器
(AE)



...

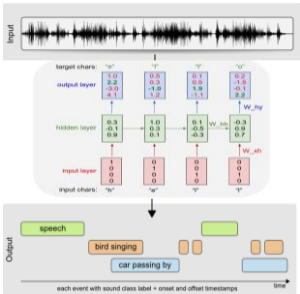
工作场所安全案例： 物联网设备边缘安全帽图像识别



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工作场所安全: 声音深度学习



Danger
Slippery surface



Danger
High voltage



Warning
Fork lift trucks



Danger
Trip hazard



Danger
Highly flammable gases



Danger
Electric shock risk



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互联市民 // 市民之声

SAMSUNG



HUAWEI

HUAWEI Ascend G



SONY
make.believe



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SAS

联合国 - 全球脉动举措



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RESEARCH



Global Pulse is exploring innovative methods and frameworks for combining new types of digital data with traditional indicators to track global development in real-time.

OVERVIEW

PROJECTS

PROJECTS

- Understanding Parental Perceptions Of Immunisation In Real-time**
Pulse Lab Jakarta is collaborating with WHO, UNICEF, Singapore and the Ministry of Health to analyse...
- Online Signals For Risk Factors Of Non-Communicable Diseases (NCDs)**
Global Pulse is collaborating with the World Health Organization (WHO) exploring how risk factors...
- Characterizing Illness Behavior During Floods Through The Lens Of Mobile Phone Activity**
Global Pulse is collaborating with researchers from Spanish telecommunications provider Telefonos...
- Using Indonesian Tweets To Understand Food Price Crises**
Over Africa The objective of this research project was to monitor Twitter conversations in Indonesia...



UNITED NATIONS GLOBAL PULSE

Harnessing big data for development and humanitarian action



Measuring Poverty With Machine Foot Counting



Feasibility Study Crowdsourcing High-Frequency Food Price Data In Rural Indonesia



Assessing Spatial Data To Study Biodiversity And Disaster Protection Strategies In Zimbabwe



Mining Citizen Feedback Data For Enhanced Local Government Decision-Making



Feasibility Study Supporting Forest And Pasture Management Using Social Media



Using Mobile Phone Data And Airtime Credit Purchases To Estimate Food Security



Using Mobile Phone Activity For Disaster Management During Floods (2014)



Analyzing Seasonal Mobility Patterns Using Mobile Phone Data



Mapping The Risk (Utility) Landscape Of Mobile Data For Sustainable Development & Humanitarian Action



Digital Monitoring And Evaluation (DME) Toolkit



Using Twitter To Measure Global Engagement On Climate Change



Using Twitter Data To Analyse Public Sentiment On Fuel Subsidy Policy Reform In El Salvador



Estimating Migration Flows Using Online Search Data



Data Visualisation And Interactive Mapping To Support Response To Disease Outbreak



Putting People's Voices At The Centre Of Development Using Big Data Analytics

Environment

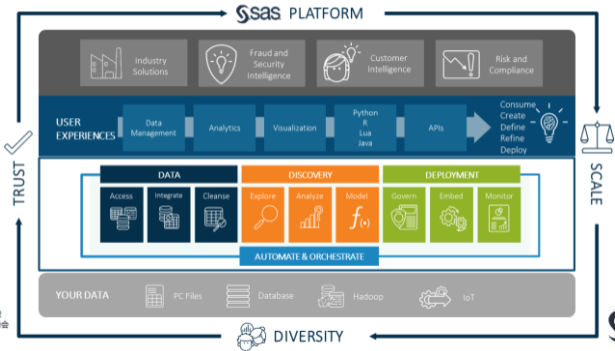


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激发非凡

INSPIRE
THE EXTRAORDINARY