

FIT5190 Introduction to IT Research Methods

Assignment 2: Critical Review of Published Research

Literature review titles (topics) completed

2012

Architecture, data independence and concurrency control of distributed databases
Cloud computing security
Constructing knowledge base from DBpedia
Face detection algorithms
Image enhancement techniques
Mining methods of Chinese ontology in social websites
P2P file sharing systems for mobile devices
Power management of habitat monitoring wireless sensor network systems
Power quality evaluation and improvement
Replica placement in distributed storage systems
Routing protocols of VANET
Technologies in intelligent video surveillance systems
Top-k queries
WiMAX versus LTE – which one will lead the next generation mobile network
Wireless sensor network algorithms

2013

Analysis of the TD - LTE system interference and reducing approaches
Approaches to handling ontology inconsistency
Cloud computing security requirements and threats
Comparison of artificial neural network algorithms
Data interchange format files in computer aided design
Efficient routing protocols in wireless sensor networks
Implication of automatic test markup language in automatic test systems
Machine learning for medical applications
Measurements of semantic relatedness between tags
Personalized recommender systems
Pocket switched networks
Privacy-preserving data publishing
Probabilistic topic model for social information extraction
What measures can improve the performance of wireless mesh networks

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2014

Advantages and disadvantages of big data

Big data

Broadcast protocols deployed in wireless VANET networks

Cloud computing for enterprises

Cloud computing framework for enterprises information and communications technology

Critical areas for dealing with cyber-crime in organizations

Data mining techniques and their applications

Factors of information security

Generating resource description framework data from tables in Wikipedia

Information extraction using Datalog - a more efficient way to proceed

Information security and several important approaches on how to deal with cyber-crime

Information security and solutions

Important factors for ensuring information security in organizations

Issues and challenges in traffic classification

Lies in big data

Mobile video chat

Models used in recommender systems

Privacy preserving data mining technology

Recommendation in social networks

Resource allocation for device-to-device communications underlying LTE-Advanced networks

Security of network coding

Security systems for virtual items in online games

Software defined network: the revolution of modern networks

URL-based web page classification proposals

Visual analytics

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2015

Artificial neural networks

Development of big data technology

Entity linking with a knowledge base

Fair energy-efficient sensing task allocation in participatory sensing with smart-phones

Latent dirichlet allocation

Maximizing the spread of influence through a social network

Mechanisms and limitations of distributed computing models

Methods to protect customer privacy in e-commerce

Mining type information

OpenFlow: Innovation of modern networks

Optimization models for facility location problems

Reducing control signalling

Sentence level alignment methods

Social network assisted device-to-device communication

Solutions to distributed denial of service flooding attacks

Task allocation in crowd-source systems

Video-based face recognition

Virtual machine placement problems in data centers

Wearable technology and its barriers in healthcare

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2016

Anchor links prediction problems for heterogeneous social networks

Artificial neural networks in real world problems

Click fraud detection

Cloud computing

Cloud computing security issues and countermeasures

Genetic algorithms

Hepatitis diagnosis using neural networks

Information security in the perceptual layer of Internet of things

Intelligent transport systems using data mining

Mobile social networks

Neural networks for stock price prediction

Recommender systems

Semantic data mining using RDF hypergraphs

Semantic parsing for natural language understanding

Text classification through naive Bayes methods

Web page segmentation

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2017

Biological information identification

Cloud computing security

Deep reinforcement learning

Detecting the onion network with machine-learning based methods

Enhancing face recognition using machine learning methods and wavelet based techniques

Four hybrid recommendation methods

Label distribution learning

License plate localization

Image recognition algorithms

Machine learning on cardiovascular disease detection

N-ary relations mining

Sentiment analysis

SQL injection attack detection

Type inference on noisy linked data

Understanding the difficulty of training deep neural networks and some solutions

Web page classification based on content extraction

Word alignment techniques