2021

Final Report of SEU CSE International Summer School Program

Theme

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From perceptual understanding to intelligent cognition-Approaching a new generation of AI

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1) **( )**


网约车

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全选
批处理

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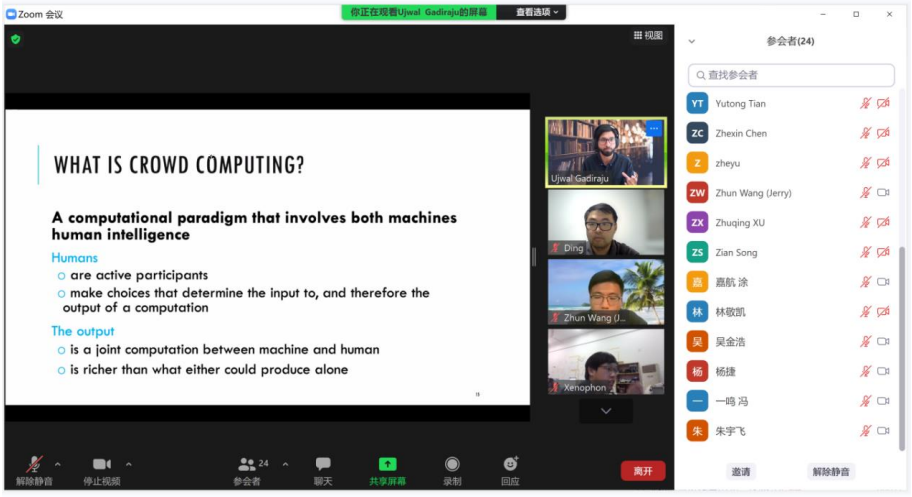
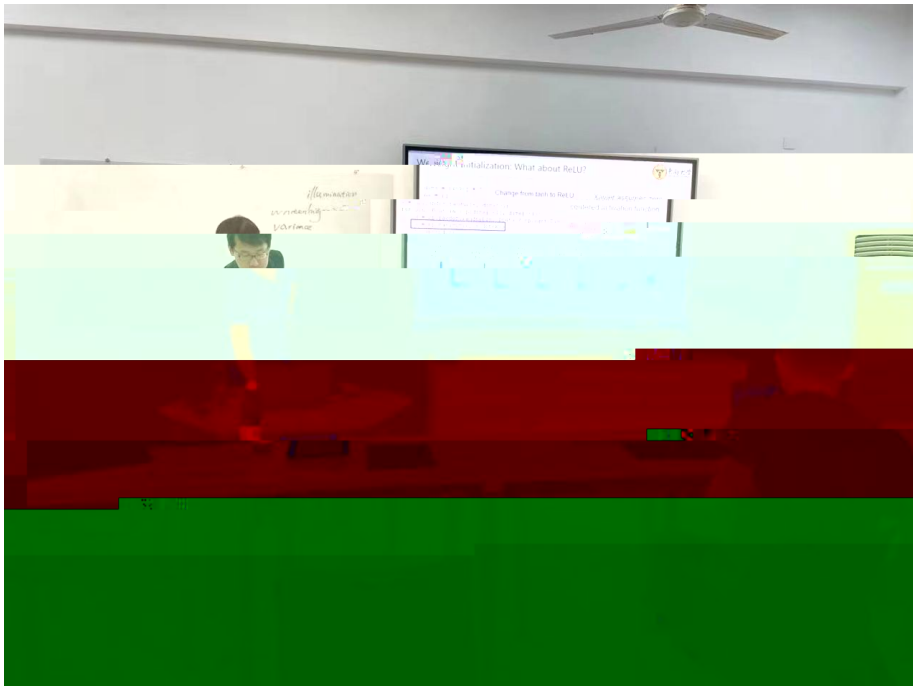
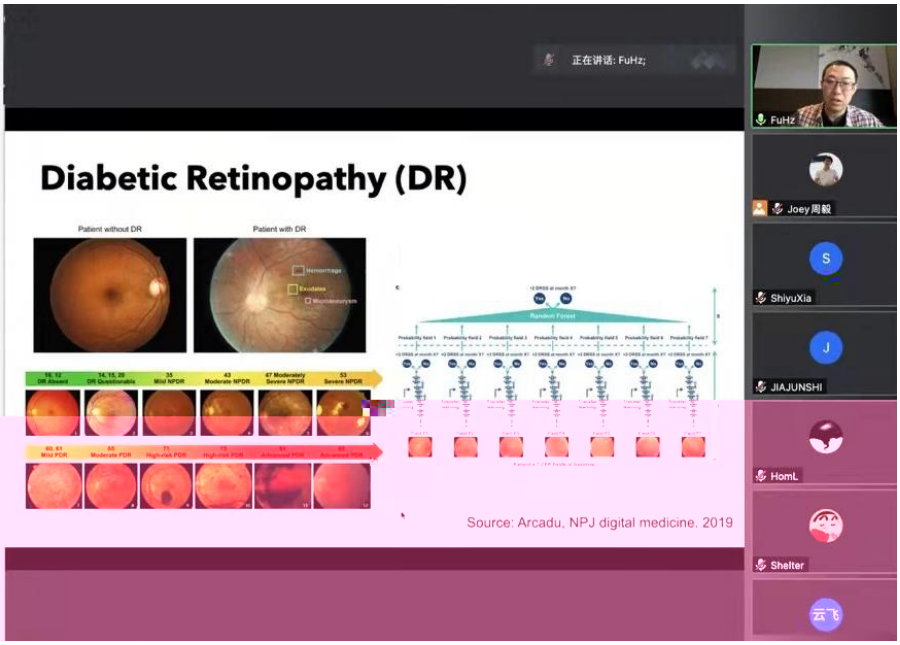

Zoom 会议
你正在观看Ujwal Gadiraju的屏幕
查看选项
视图
WHAT IS CROWD COMPUTING?
A computational paradigm that involves both machines human intelligence
Humans
are active participants
make choices that determine the input to, and therefore the output of a computation
The output
is a joint computation between machine and human
is richer than what either could produce alone
Ujwal Gadiraju
Ding
Zhun Wang (J...
Xenophon
参会者(24)
查找参会者
Yutong Tian
Zhexin Chen
zheyu
Zhun Wang (Jerry)
Zhuqing XU
Zian Song
嘉航 涂
林敬凯
吴金浩
杨捷
一鸣 冯
朱宇飞
邀请
解除静音
解除静音
停止视频
参会者
聊天
共享屏幕
录制
回应
离开


Conversational Interfaces
Ujwal Gadiraju
@UJLAW
TUDelft
HCI Course | Southeast University China | 28.07.2021

Courses	Presenters	Agenda
-		

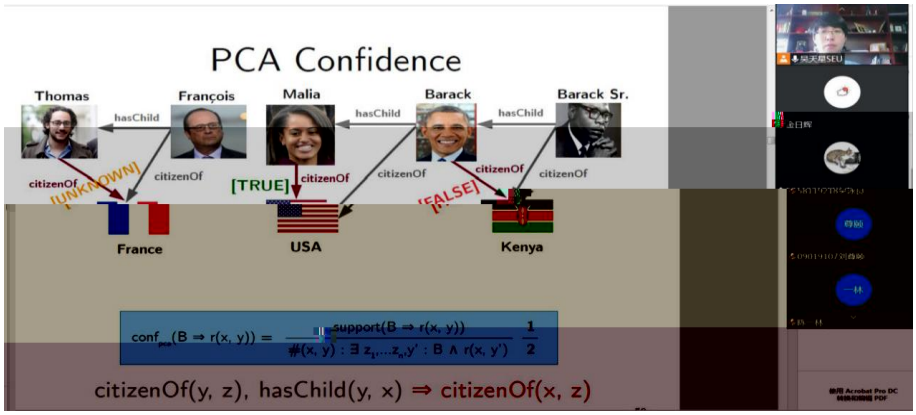

Activation Functions
synapse
dendrite
cell body
output axon
activation function
50%



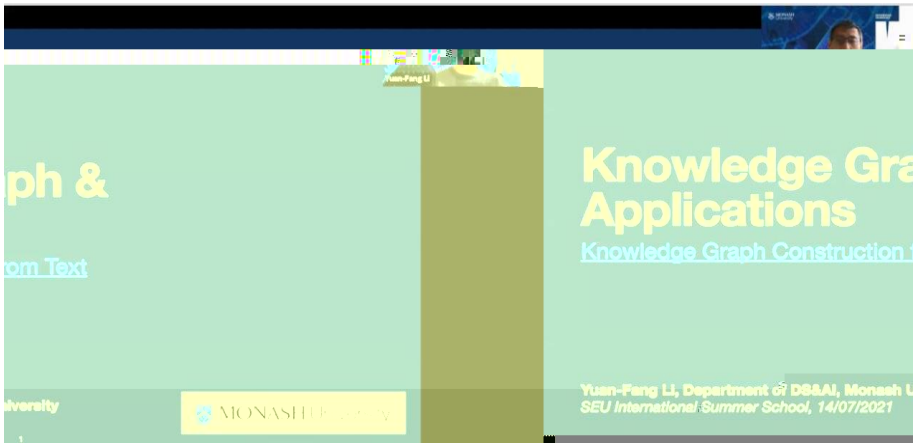

正在讲话: FuHz;
Diabetic Retinopathy (DR)
Patient without DR
Patient with DR
Source: Arcadu, NPJ digital medicine. 2019
FuHz
Joey周毅
ShiyuXia
JIAJUNSHI
HomL
Shelter


Video Object Segmentation Techniques
One-Shot VOS (OSVOS): first-frame fine-tuning
Pre-trained
Training
Finetuning
Joey周毅
黄家乐

Courses	Presenters	Agenda


PCA Confidence
Thomas
François
Malia
Barack
Barack Sr.
hasChild
hasChild
hasChild
citizenOf
citizenOf
citizenOf
citizenOf
citizenOf
citizenOf
[UNKNOWN]
[TRUE]
[FALSE]
France
USA
Kenya
citizenOf(y, z), hasChild(y, x) ⇒ citizenOf(x, z)

-


ph &
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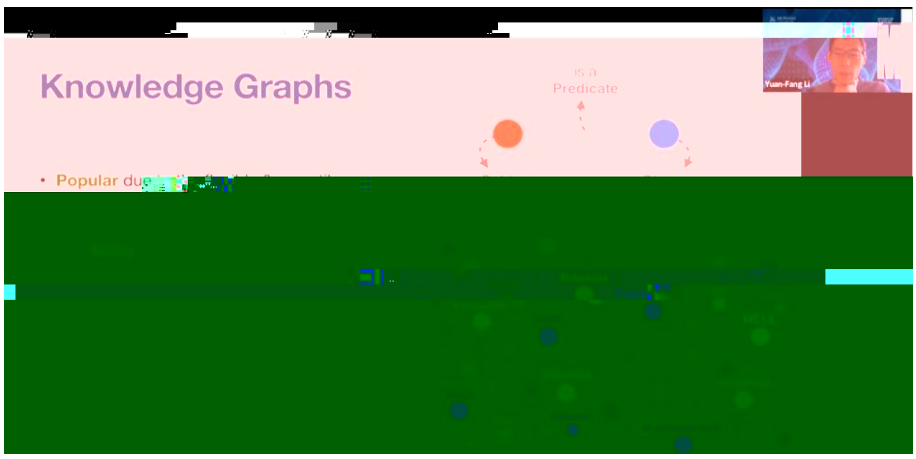
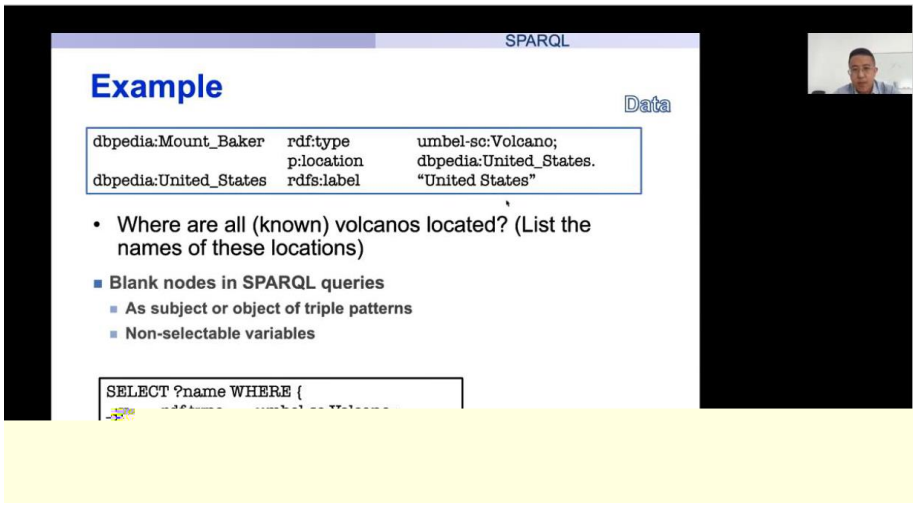
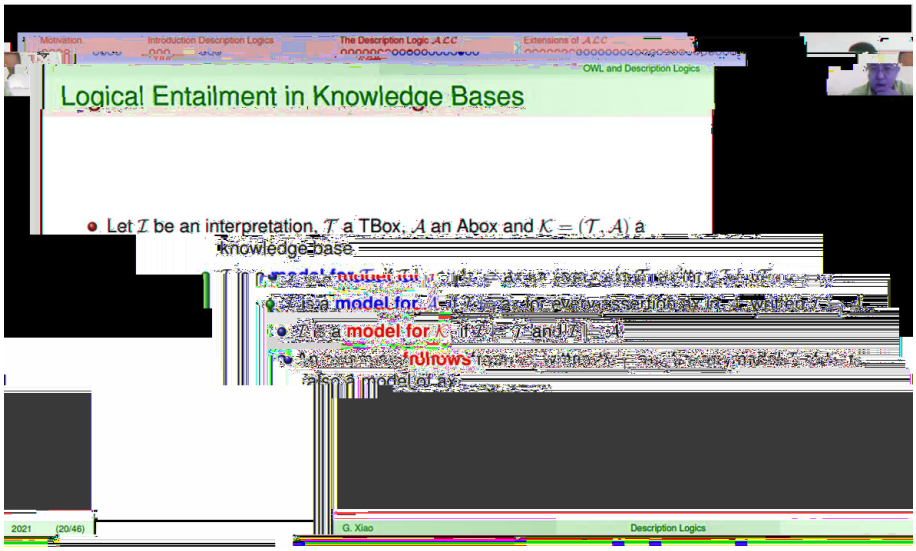
Knowledge Gra
Applications
Knowledge Graph Construction
Yuan-Fang Li, Department of DS&AI, Monash U
SEU International Summer School, 14/07/2021


Knowledge Graphs
Predicate

-


SPARQL
Example
Data
dbpedia:Mount_Baker rdf:type umbel-sc:Volcano;
p:location dbpedia:United_States.
dbpedia:United_States rdfs:label "United States"
• Where are all (known) volcanos located? (List the names of these locations)
Blank nodes in SPARQL queries
As subject or object of triple patterns
Non-selectable variables
SELECT ?name WHERE {


Motivation
Introduction Description Logics
The Description Logic $\mathcal{ALC}$
Extensions of $\mathcal{ALC}$
OWL and Description Logics
Logical Entailment in Knowledge Bases
Let $\mathcal{I}$ be an interpretation, $\mathcal{T}$ a TBox, $\mathcal{A}$ an Abox and $\mathcal{K} = (\mathcal{T}, \mathcal{A})$ a knowledge base.
$\mathcal{I}$ is a model for $\mathcal{K}$ if $\mathcal{I}$ is a model for $\mathcal{T}$ and $\mathcal{I}$ is a model for $\mathcal{A}$.
follows
2021 (20/46)
G. Xiao
Description Logics

Courses	Presenters	Agenda
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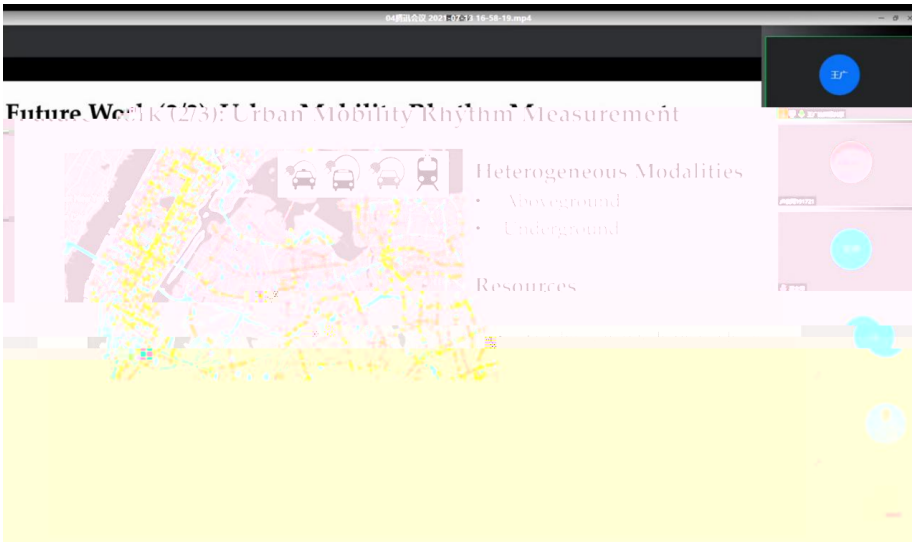
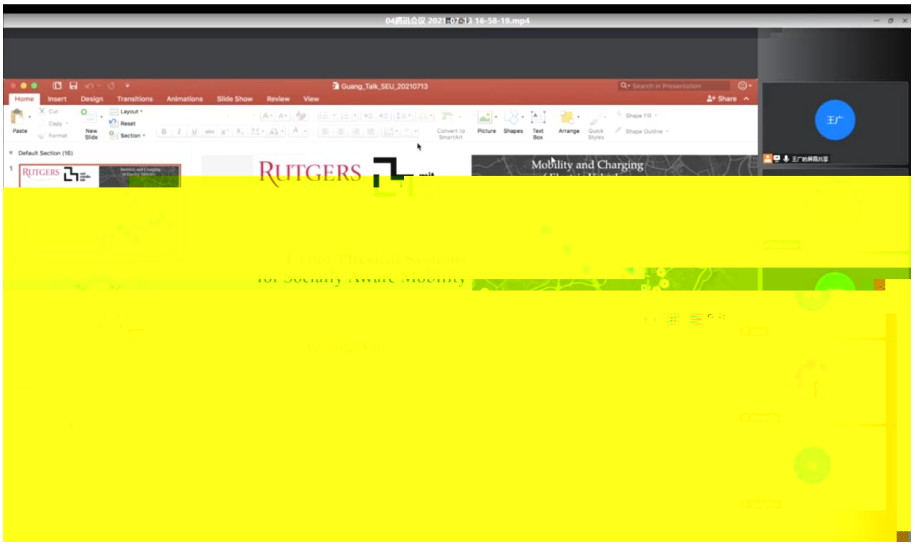

Future Work (2/2): Urban Mobility Rhythm Measurement
Heterogeneous Modalities
Aboveground
Underground
Resources


RUTGERS
Mobility and Charging

	Courses	Presenters	Agenda

E	F	G	H	I	J	K	L	M	N	O	P	Q	R
地理位置国	地理位置省	地理位置市	自定义字段	1. 本问卷所对应课程	2. 老师教学	3. 老师能明	4. 课程教学	5. 老师能有	6. 我有困难	7. 课后作业	8. 请您反馈对课程安排和教师教学	9. 我对课程的总体评价	

D. 感知与人机交互	10	10	10	10	10	10 很好	10	中国	江苏省	
B. 感知与人机交互	10	10	10	10	10	10 全英文教学感觉还是有点不适应	10	中国	江苏省	南京市
C. 知识图谱及应用	10	10	10	10	10	10 无	9	中国	河北省	唐山市
C. 知识图谱及应用	10	10	10	10	10	10 可能是国际课程的原因吧，老师必须英文，不过还是希望能多引	10	中国	江苏省	南京市