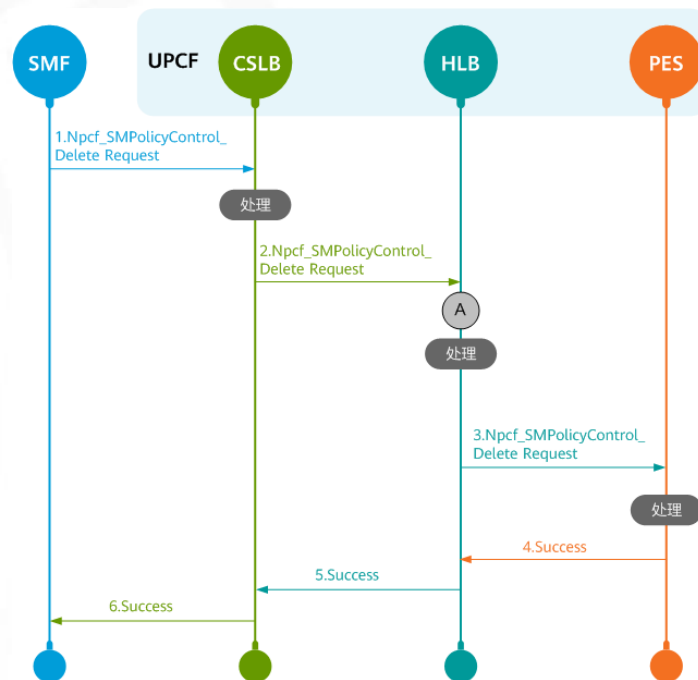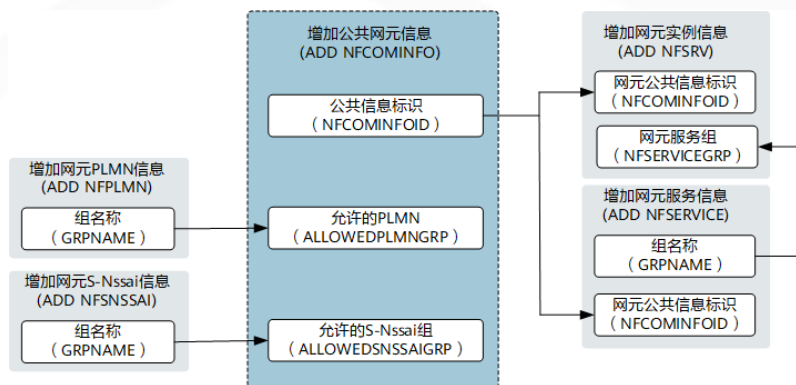# 2020-2021学年秋季学期工作汇报

51205901092 彭凯龙

导师 林欣

一、工作总结

1. 华为知识图谱项目
数据收集阶段-图片信息提取
命令索引图、消息序列图

一、工作总结

当前主题命令：增加公共网元信息(ADD NFCOMINFO)
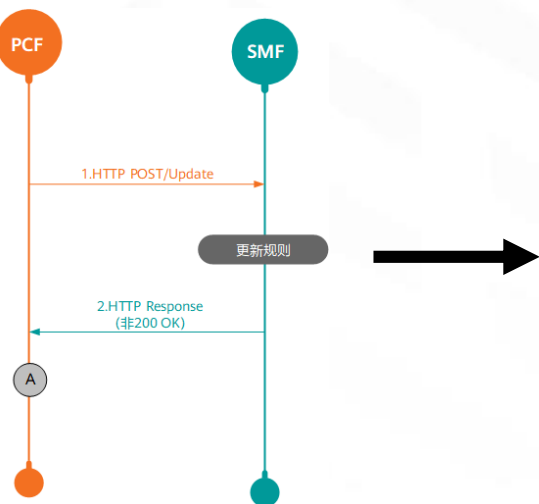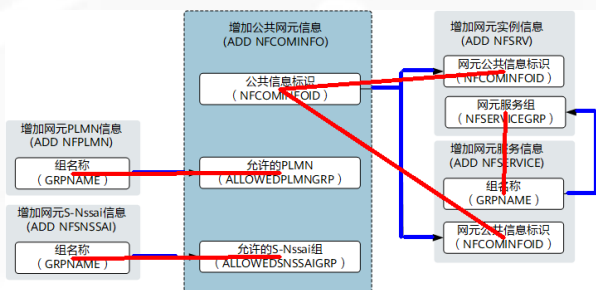@命令 增加网元PLMN信息(ADD NFPLMN) 的参数有：
组名称(GRPNAME)

@命令 增加网元S-Nssai信息(ADD NFSNSSAI) 的参数有：
组名称(GRPNAME)

@命令 增加网元服务信息(ADD NFSERVICE) 的参数有：
组名称(GRPNAME)
网元公共信息标识(NFCOMINFOID)[必须先由 增加公共网元信息(ADD NFCOMINFO)
命令的 公共信息标识(NFCOMINFOID) 参数定义]
……

```
"zh-cn_image_0168978187.png": {
        "element": [
            "PCF",
            "SMF"
        ],
        "content": [
            {
                "sender": 0,
                "receiver": 1,
                "message": "1.HTTP POST/Update"
            },
            {
                "sender": 1,
                "receiver": 0,
                "message": "2.HTTP Response（非200 OK）"
            }
        ]
}
```

一、工作总结

2. SemEval2020-Task 9

Subtask A: Given a statement, determine whether the statement is supported by the table

Subtask B: Find which table cells form relevant evidence for the statement

Term	Type	Factor	Example
Extremely	Intensifier	2.0	Made me settle very quickly. *Extremely* reliable application
			Extremely slow loading and shows database connection error.
Absolutely	Intensifier	1.75	*Absolutely* useless app. The app is useless, never works properly.
			An *absolutely* useful and friendly application!
Quite	Downtoner	0.75	*Quite* useful app for Dubai residents.
			It's *quite* frustrating as I am unable to use the app
			Great interface. The app is *quite* slow but has good functionalities.
Pretty	Downtoner	0.50	*Pretty* good but some bugs
			Poorly designed app. *Pretty* much useless and probably just a media stunt.
Always	Intensifier	1.5	App doesn't work. It *always* shows error in login.
			New version *Always* crashes.

Statement	Label
The polarity score of the opinion word that follows the downtoner "quite" is multiplied by the factor (0.75)	Supported
"New version Always crashes" is an example for "Quite"	Refuted
The "Extremely" term has the highest factor.	Supported
The polarity score of the opinion word that follows the intensifier "very" is multiplied by the factor (1.25)	Unknown

一、工作总结

Method:

TAPAS: Weakly Supervised Table Parsing via Pre-training

一、工作总结

Result:

Team	3-way F-Score	2-way F-Score
Official Leaderboard		
King001	**84.48**	**88.74**
THiFly_Queen	83.76	84.55
RyanStark	81.51	87.22
sattiy	77.32	84.96
BreakingBERT@IITK	69.31	76.81
Volta	67.34	72.89
TAPAS	66.81	73.13
AttesTable	65.59	71.72
Yaoxu	60.76	75.8
Beary-group	58.37	72.56
ok-team	57.79	71.84
SUNLP	47.92	59.58
Our Team*	41.83	52.01
KaushikAcharya	36.23	23.08
Unverified Leaderboard		
Skywalker	92.55	95.15
MagicPai	90.88	94.03
endword	82.35	88.16
Paima	81.96	88.85
ravikranc	57.90	71.99

Team	F-Score
Official Leaderboard	
BreakingBERT@IITK	**65.17**
Volta	62.95
King001	62.14
Our Team	60.06
RyanStark	54.96
Sattiy	48.56
AttesTable	43.02
KaushikAcharya	33.81
Unverified Leaderboard	
MagicPai	88.74
SkyWalker	73.05
endword	57.85
Paima	51.97

task_a_2way_f1_total: 0.6777
task_a_3way_f1_total: 0.5443

二、本学期工作计划

1. 表格语言理解

2. 常识获取-反常识分类

- 依托ConceptNet构造数据

3. 华为知识图谱项目-链接预测演化算法-Baseline划定

- Probabilistic Case-based Reasoning for Open-World Knowledge Graph Completion

4. 人工智能课程-助教

谢谢！