表 1　DuIE2.0 数据集的 schema（简单知识）

Graph 1 Schema of DuIE2.0 data set (simple-O-values schema)

序号	（主体 S 的类别） subject_type	（关系） predicate	（客体 O 的类别） object_type	举例
1	地点(Location)	海拔(altitude)	Number	{"object_type": {"@value":"Number"}, "predicate": "海拔", "object": {"@value": "2,240 米"}, "subject_type": "地点", "subject": "卡萨布兰卡火山"}
2	电视综艺(TVShow)	嘉宾(guest)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "嘉宾", "object": {"@value":"黄小琥"}, "subject_type": "电视综艺", "subject": "全能星战"}
3	电视综艺(TV Show)	主持人(host)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "主持人", "object": {"@value":"撒贝宁"}, "subject_type": "电视综艺", "subject": "梦想星搭档"}
4	歌曲(Song)	歌手(singer)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "歌手", "object": {"@value":"李克勤"}, "subject_type": "歌曲", "subject": "爱不释手"}
5	歌曲(Song)	所属专辑(fromAlbum)	音乐专辑(Album)	{"object_type": {"@value":"音乐专辑"}, "predicate": "所属专辑", "object": {"@value":"爱不释手 新城唱好音乐大派对",} "subject_type": "歌曲", "subject": "爱不释手"}
6	歌曲(Song)	作词(lyrics)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "作词", "object": {"@value":"林夕"}, "subject_type": "歌曲", "subject": "爱不释手"}
7	歌曲(Song)	作曲(composer)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "作曲", "object": {"@value":"陈辉阳"}, "subject_type": "歌曲", "subject": "爱不释手"}
8	国家(Country)	官方语言(language)	语言(Language)	{"object_type": {"@value":"语言"}, "predicate": "官方语言", "object": {"@value":"意大利语"}, "subject_type": "国家", "subject": "意大利"}
9	国家(Country)	首都(capital)	城市(City)	{"object_type": {"@value":"城市"}, "predicate": "首都", "object": {"@value":"羊苴咩城"}, "subject_type": "国家", "subject": "大理国"}
10	行政区 (Administrative area)	面积(area)	Number	{"object_type": {"@value":"Number"}, "predicate": "面积", "object": {"@value":"188 平方公里"}, "subject_type": "行政区", "subject": "河西镇"}
11	行政区 (Administrative area)	气候(climateOf)	气候(Climate)	{"object_type": {"@value":"气候"}, "predicate": "气候", "object": {"@value":"亚热带海洋性季风气候"}, "subject_type": "行政区", "subject": "象山县"}
12	行政区 (Administrative area)	人口数量(population)	Number	{"object_type": {"@value":"Number"}, "predicate": "人口数量", "object": {"@value":"7000 多人"}, "subject_type": "行政区", "subject": "永宁村"}

13	行政区(Administrative area)	邮政编码(postcode)	Text	{"object_type": {"@value":"Text"}, "predicate": "邮政编码", "object": {"@value":"117114"}, "subject_type": "行政区", "subject": "草河口镇"}
14	机构(Organization)	成立日期(foundingDate)	Date	{"object_type": {"@value":"Date"}, "predicate": "成立日期", "object": {"@value":"2010 年初"}, "subject_type": "机构", "subject": "漳州招聘网"}
15	机构(Organization)	简称(abbreviation)	Text	{"object_type": {"@value":"Text"}, "predicate": "简称", "object": {"@value":"CFCA"}, "subject_type": "机构", "subject": "中国金融认证中心"}
16	机构(Organization)	占地面积(area)	Number	{"object_type": {"@value":"Number"}, "predicate": "占地面积", "object": {"@value":"210 万平方米"}, "subject_type": "机构", "subject": "清风湖"}
17	景点(Scenary)	所在城市(cityLocatedIn)	城市(City)	{"object_type": {"@value":"城市"}, "predicate": "所在城市", "object": {"@value":"香港"}, "subject_type": "景点", "subject": "维多利亚港"}
18	历史人物(Historical person)	朝代(dynasty)	Text	{"object_type": {"@value":"Text"}, "predicate": "朝代", "object": {"@value":"商朝"}, "subject_type": "历史人物", "subject": "武丁"}
19	历史人物(Historical person)	号(hao)	Text	{"object_type": {"@value":"Text"}, "predicate": "号", "object": {"@value":"素庵"}, "subject_type": "历史人物", "subject": "陈之遴"}
20	企业(Company)	创始人(founder)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "创始人", "object": {"@value":"乔布斯"}, "subject_type": "企业", "subject": "苹果公司"}
21	企业(Company)	董事长(chairman)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "董事长", "object": {"@value":"杨国强"}, "subject_type": "企业", "subject": "碧桂园集团"}
22	企业(Company)	注册资本(registered Capital)	Number	{"object_type": {"@value":"Number"}, "predicate": "注册资本", "object": {"@value":"5680 万"}, "subject_type": "企业", "subject": "好车贷"}
23	企业(Company)	总部地点(Headquater)	地点(Location)	{"object_type": {"@value":"地点"}, "predicate": "总部地点", "object": {"@value":"安徽合肥"}, "subject_type": "企业", "subject": "好车贷"}
24	人物(Person)	毕业院校(almaMater)	学校(Educational institutions)	{"object_type": {"@value":"学校"}, "predicate": "毕业院校", "object": {"@value":"北京大学"}, "subject_type": "人物", "subject": "杜道生"}
25	人物(Person)	父亲(father)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "父亲", "object": {"@value":"杨忠"}, "subject_type": "人物", "subject": "杨坚"}
26	人物(Person)	国籍(nationality)	国家(Country)	{"object_type": {"@value":"国家"}, "predicate": "国籍", "object": {"@value":"中国"}, "subject_type": "人物", "subject": "贾玉书"}

27	人物(Person)	母亲(mother)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "母亲", "object": {"@value":"窦太后"}, "subject_type": "人物", "subject": "汉景帝"}
28	人物(Person)	妻子(wife)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "妻子", "object": {"@value":"郭晶晶"}, "subject_type": "人物", "subject": "霍启刚"}
29	人物(Person)	丈夫(husband)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "丈夫", "object": {"@value":"霍启刚"}, "subject_type": "人物", "subject": "郭晶晶"}
30	人物(Person)	祖籍(ancestralHome)	地点(Location)	{"object_type": {"@value":"地点"}, "predicate": "祖籍", "object": {"@value":"潍县"}, "subject_type": "人物", "subject": "张兆栋"}
31	网络小说(Network Novel)	主角(leadingCharacter)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "主角", "object": {"@value":"楚玉"}, "subject_type": "网络小说", "subject": "凤囚凰"}
32	图书作品(Book)	作者(author)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "作者", "object": {"@value":"九九"}, "subject_type": "图书作品", "subject": "女生宿舍之灵异事件"}
33	学科专业(Study)	修业年限(lengthOfStudy)	Number	{"object_type": {"@value":"Number"}, "predicate": "修业年限", "object": {"@value":"三年"}, "subject_type": "学科专业", "subject": "矿山资源开发与管理"}
34	学科专业(Study)	专业代码(code)	Text	{"object_type": {"@value":"Text"}, "predicate": "专业代码", "object":{"@value": "810"}, "subject_type": "学科专业", "subject": "信息与通信工程"}
35	影视作品(Film and TV works)	编剧(writtenBy)	人物(Person)	{"object_type":{"@value": "人物"}, "predicate": "编剧", "object": {"@value":"闻小宝"}, "subject_type": "影视作品", "subject": "逆光之恋"}
36	影视作品(Film and TV works)	出品公司(distributedBy)	企业(Organization)	{"object_type": {"@value":"企业"}, "predicate": "出品公司", "object": {"@value":"中国电视剧制作中心"}, "subject_type": 影视作品", "subject": "末代皇帝"}
37	影视作品(Film and TV works)	导演(directedBy)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "导演", "object": {"@value":"任海曜"}, "subject_type": "影视作品", "subject": "逆光之恋"}
38	影视作品(Film and TV works)	改编自(adaptedFrom)	作品(Work piece)	{"object_type": {"@value":"作品"}, "predicate": "改编自", "object": {"@value":"古典名著《三侠五义》"}, "subject_type": 影视作品", "subject": "五鼠闹东京"}
39	影视作品(Film and TV works)	制片人(producedBy)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "制片人", "object": {"@value":"柴智屏"}, "subject_type": "影视作品", "subject": "流星花园"}

40	影视作品(Film and TV works)	主演(starring)	人物(Person)	{"object_type": {"@value":"人物"}, "predicate": "主演", "object": {"@value":"杨诚诚"}, "subject_type": "影视作品", "subject": "逆光之恋"}
41	影视作品(Film and TV works)	主题曲 (themeSong)	歌曲(Song)	{"object_type": {"@value":"歌曲"}, "predicate": "主题曲", "object": {"@value": "千年游"}, "subject_type": "影视作品", "subject": "中华文明之美"}
42	学校(Educational institutions)	校长(principal)	人物(Person)	{"object_type": {"@value": "人物"}, "predicate": "校长", "object": {"@value": "李清泉"}, "subject_type": "学校", "subject": "深圳大学"}
43	企业/品牌 (Company/ brand)	代言人 (spokesman)	人物(Person)	{"object_type": {"@value": "人物"}, "predicate": "代言人", "object": {"@value": "吴亦凡"}, "subject_type": "企业/品牌", "subject": "小米手机"}