



**Table A3.** Part of bus station data

	Station name 1	Number	Longitude	Latitude	Time	Station name 2	...
1	Zhongxin Guangchang	16306	109.4881	34.50010	2018/11/26 8:05	Jiefangnanlu Beikou	
2	Chaoyangdajie Shizi	16307	109.4880	34.49552	2018/11/30 8:21	Jiefangnanlu Beikou	
3	Weinan Huochezhan	16324	109.4885	34.48818	2018/11/26 7:54	YoudianDalou	
4	Zhongxin Guangchang	16306	109.4881	34.50010	2018/11/23 8:25	Jiefangnanlu Beikou	
...							

**Table A4.** Road information data

	Location	Name	UID	Highway	One-way	Bridge	layer
1	{ 'lat' :34.733293 'lng' :109.645136}	Lishisanzhong Qiao	b01a7d856514af4a29201a34		no	no	1
2	{ 'lat' :34.72735 'lng' :109.639207}	Lindian Lijiao	9e0f804a8d1788696040a9f7		no	no	1
3	{ 'lat' :34.712411 'lng' :109.612958}	Hufan Lu	e93c2a007b19e457ebf8532b		no	no	1
4	{ 'lat' :34.645555 'lng' :109.605323}	Qianjin Lu	0e7afb6df35285eb8515416b	secondary	yes	no	1
5	{ 'lat' :34.564501 'lng' :109.553579}	Xiangshandadao Fulu	841fab94b51b7a184107clee		no	no	1
...							

**Table A5.** Original part of bus station POI data

Route	Name	Upline/ Downline	Longitude	Latitude	Number of business POI	Number of science and education POI	Number of residential POI	Number of office POI	Number of life service POI	...
1 13	Qu Jishengju	1	109.48995	34.515867	336	6	20	40	89	
2 13	Nanbai Cun	1	109.49058	34.518383	25	2	4	11	14	
3 13	Nanbai Cun	0	109.49040	34.518367	24	2	4	11	15	
4 17	Xuanhuaxincheng	1	109.49256	34.524567	24	5	8	14	21	
5 17	Xuanhuaxincheng	0	109.49246	34.524167	23	5	8	14	21	
...										

**Table A6.** Original part of weather data

Date	Daytime weather	Night Weather	Maximum temperature (°C)	Minimum temperature (°C)	Wind direction	Wind power	...
1 2018/12/1	Haze	Haze	12	3	North-East	Level 1-2	
2 2018/12/2	Haze	Haze	10	3	West	Level 1-2	
3 2018/12/3	Haze	Haze	9	0	North	Level 1-2	
4 2018/12/4	Cloudy	Cloudy	5	0	North-East	Level 1-2	
5 2018/12/5	Rain and snow	Clear Sky	3	-2	West	Level 1-2	
...							