

# Urban Analysis of Sendai city with GIS

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The number to be accepted: 8

Schedule: intensive course

Date and place of the first lecture: Oct. 8<sup>st</sup>, 16:20-, @405S, International Research Institute of Disaster Science

Summary:

GIS (Geographic Information System) is a computer system for capturing, storing, checking, integrating, manipulating, analyzing and displaying data related to positions on the Earth's surface. In the process of urban planning, it is necessary to analyze the target city from various perspectives, and GIS is an effective tool for it. The aim of this program is

- 1) to analyze Sendai city from the perspective of "population", "commerce" and "agriculture" with GIS,
- 2) to make a visitation to some typical areas, and
- 3) to compare between the result of analysis and the real situation.

KEY.CODE	HYCSYO	HTKSYU	CITY.NAMEN	人口総数	男	女	世帯総数
1	4101	1	青葉区	281218	135436	145782	134878
2	41010010	2	青葉区 青葉町	654	306	348	384
3	41010020	2	青葉区 あげぼの町	886	436	450	449
4	41010030	2	青葉区 旭ヶ丘	8350	3892	4458	4791
5	4.1E+08	3	青葉区 旭ヶ丘1丁目	2336	1069	1267	1434
6	4.1E+08	3	青葉区 旭ヶ丘2丁目	2426	1142	1284	1357
7	4.1E+08	3	青葉区 旭ヶ丘3丁目	1717	801	916	1000
8	4.1E+08	3	青葉区 旭ヶ丘4丁目	1871	880	991	1000
9	41010040	2	青葉区 荒巻	1237	743	494	647
10	41010050	2	青葉区 荒巻神明町	2006	938	1068	1111
11	41010060	2	青葉区 荒巻中央	917	439	478	407
12	41010070	2	青葉区 荒巻本沢	2082	1012	1070	1099
13	4.1E+08	3	青葉区 荒巻本沢1丁目	457	232	225	214

