Water Data Analysis

Water Data

Customer

- Total 25,310 customers
- Living in 1,053 streets
- 2,424 postcodes
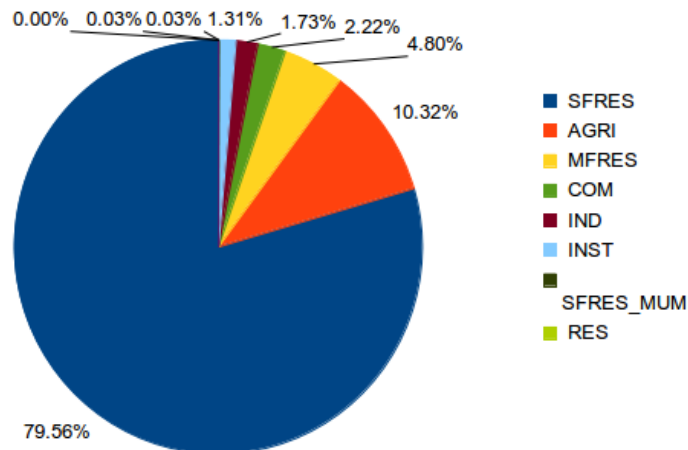
Meter Reading Time-series Fact

- Time-series: Sept 1, 2012~Aug. 31, 2013
- 215,172,496 hourly data points (roughly 10GB)

Meter

- 25,858 meters
- Install location (latitude, lontidude)

Customer Group

9 customer groups

CustomerGroup	Group Size
SFRES	20,136
AGRI	2,612
MFRES	1,215
COM	561
IND	438
INST	332
SFRES_MUM	8
RES	7
INSTITUTIONAL	1
	25,310

Pie chart legend: SFRES, AGRI, MFRES, COM, IND, INST, SFRES_MUM, RES

Pie chart values: 0.00% 0.03% 0.03% 1.31% 1.73% 2.22% 4.80% 10.32% 79.56%

Water Data

- 215,172,496 time-series data points distribution on Customer Groups
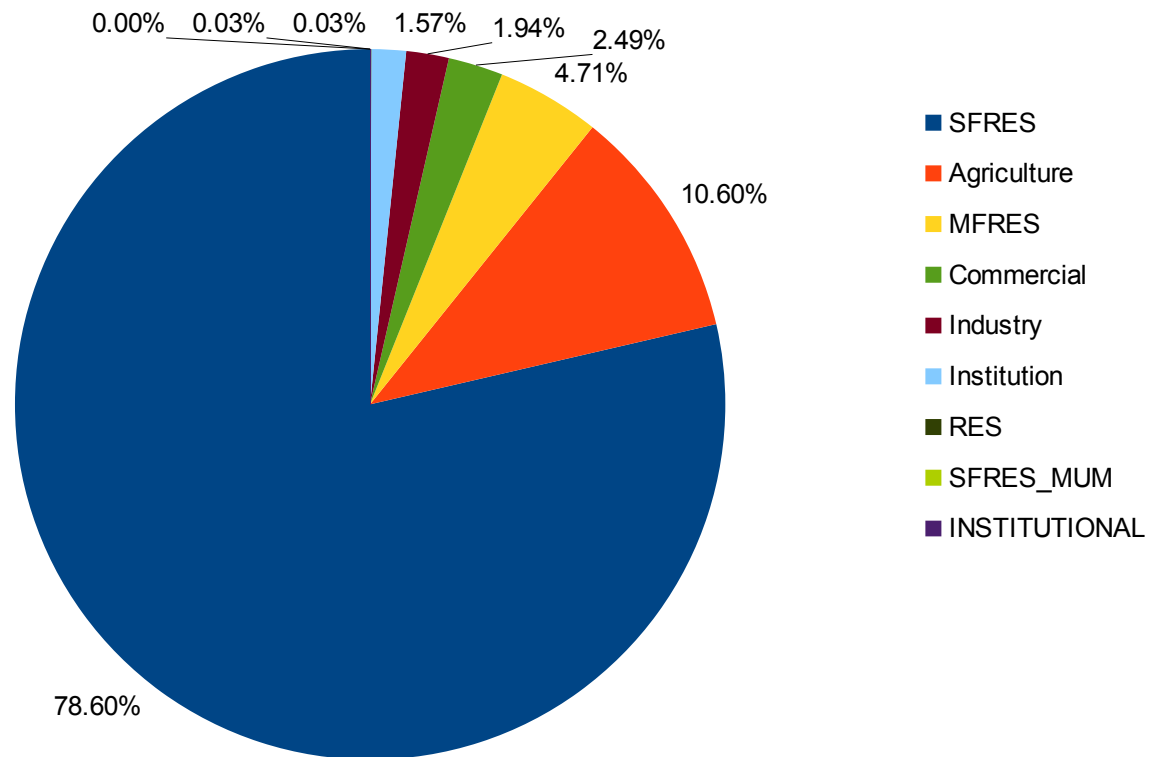
Weather Data

- The hourly resolution weather data from Environment Canada (https://weather.gc.ca)

| Readtime	Temperature	DewPointTemperature	RelativeHumidity	WindDirection	WindSpeed	Weather
2012-09-01 00:00:00	9.7	7.5	86	33	4	NA
2012-09-01 01:00:00	9.6	8.1	90	35	4	Mainly Clear
2012-09-01 02:00:00	9.7	7.8	88	1	5	NA
2012-09-01 03:00:00	8.4	7	91	30	5	NA
2012-09-01 04:00:00	8.9	7.2	89	32	5	Clear
2012-09-01 05:00:00	8	6.3	89		0	NA
2012-09-01 06:00:00	7.7	6.5	92		0	NA
2012-09-01 07:00:00	10.2	8	86		0	Mainly Clear

Explore Water Time-series Data

- Demo

The average daily water consumption of Agriculture

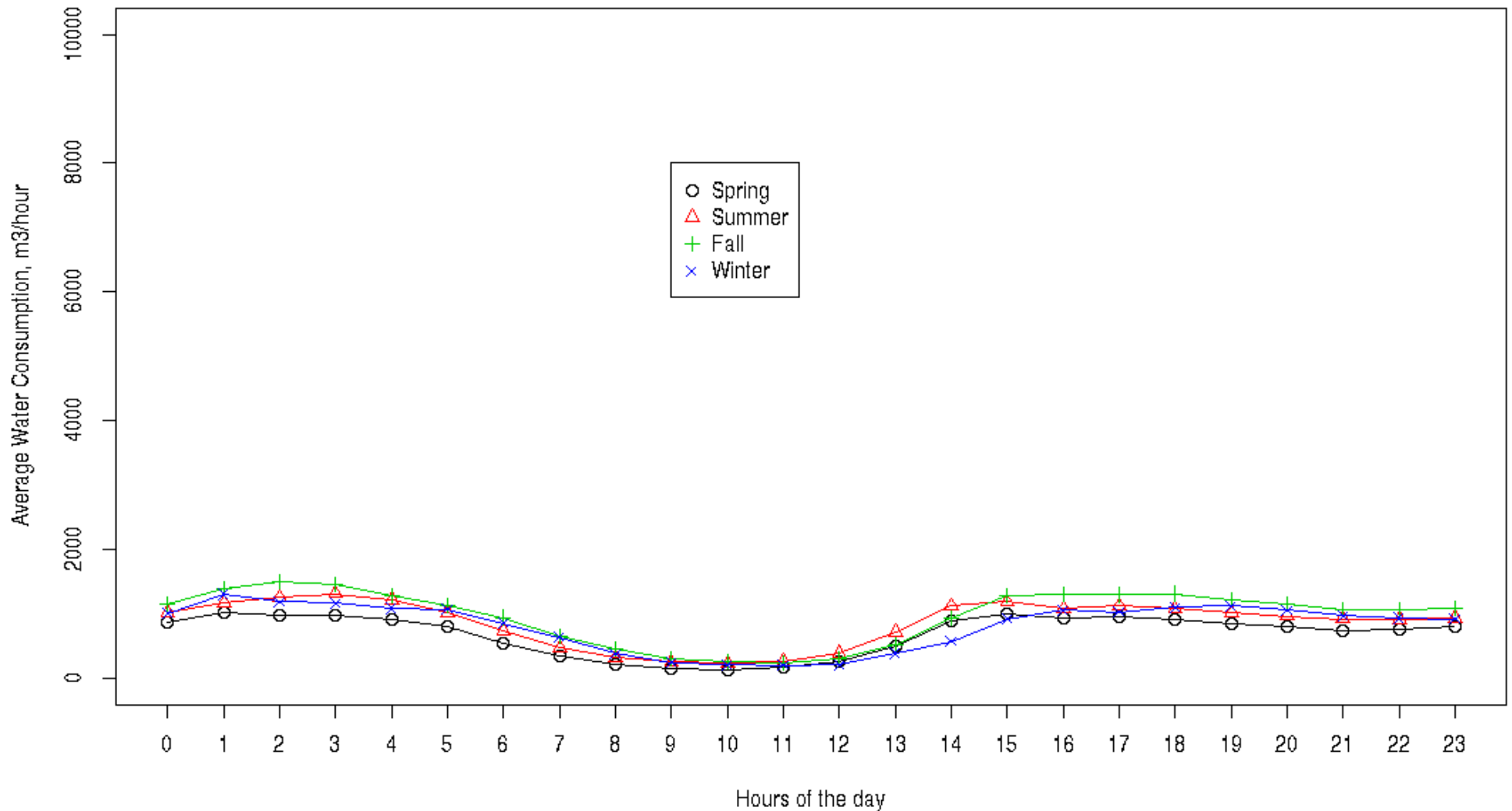Agriculture Water Consumption of the day
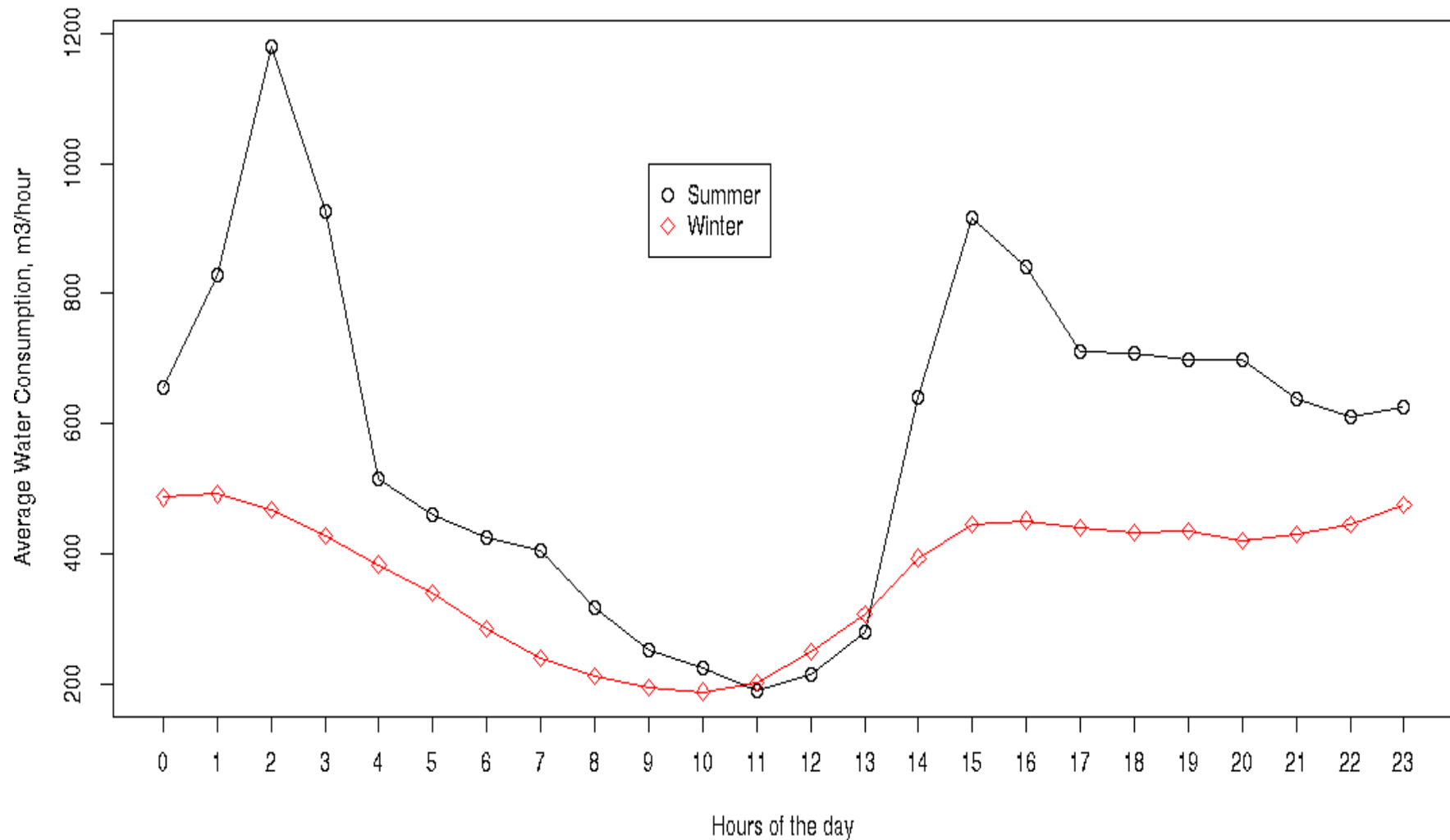
The average daily water consumption of MFRES

MFRES Water Consumption of the day
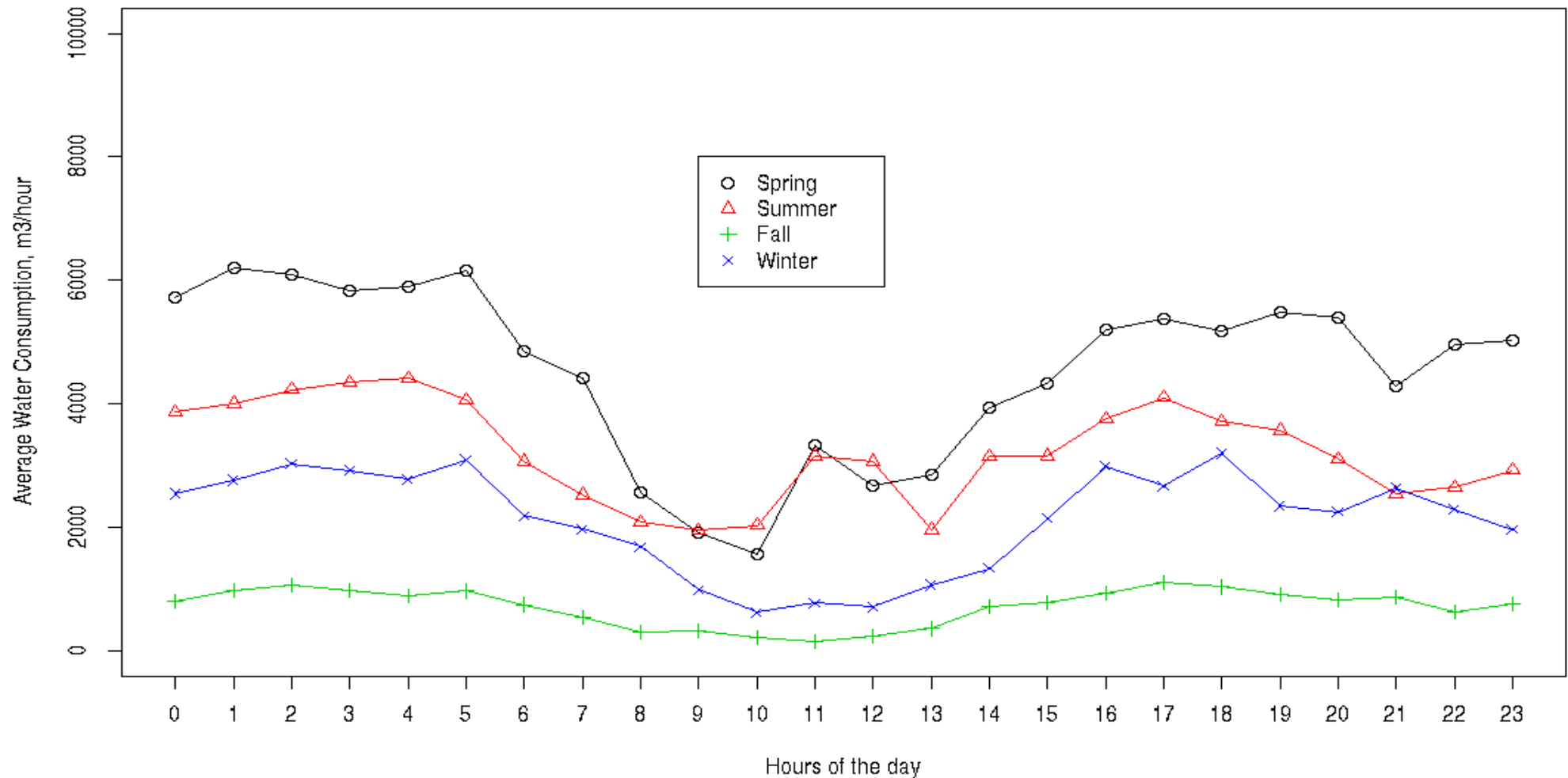
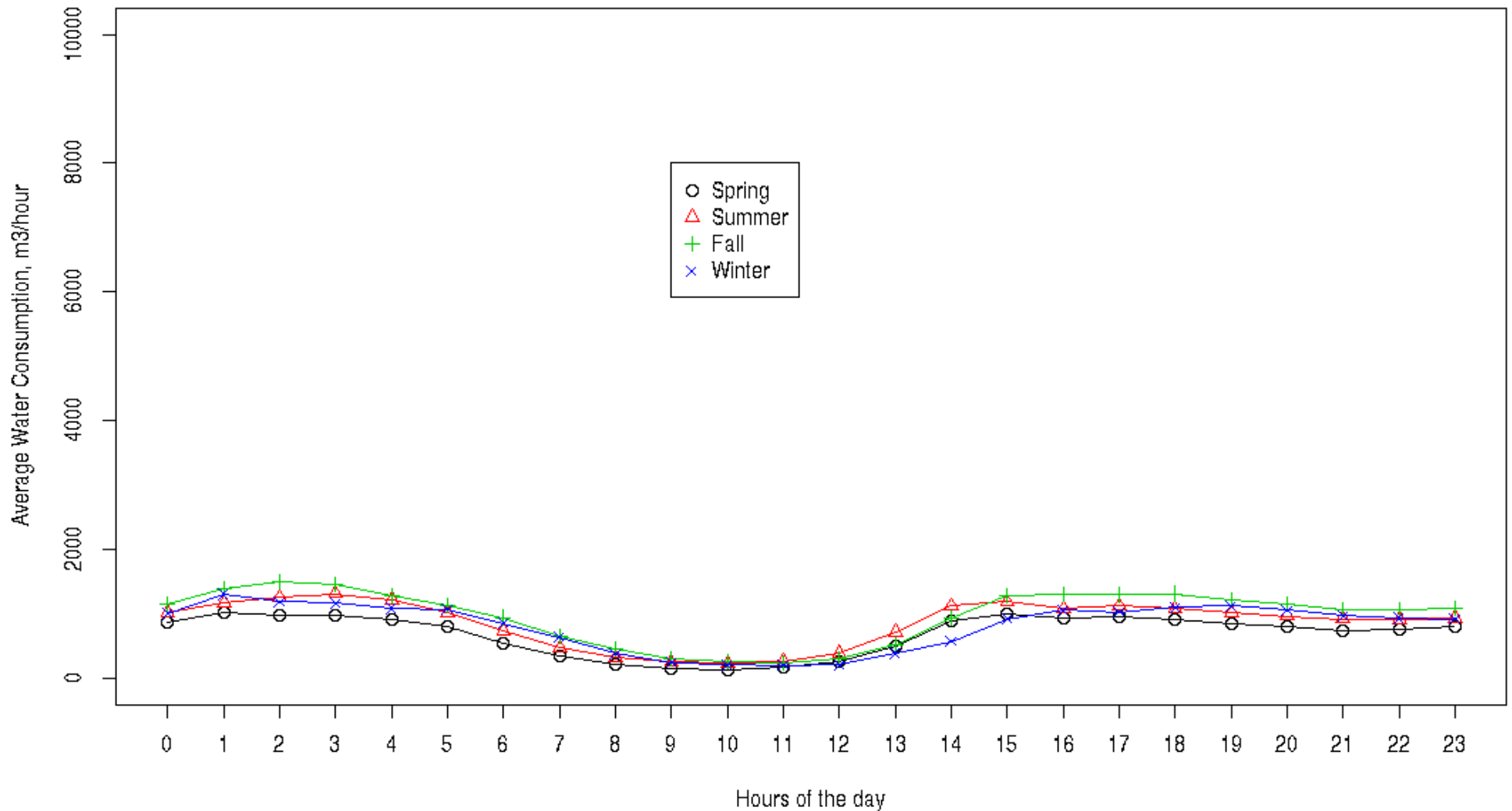# The average daily water consumption of SFRES

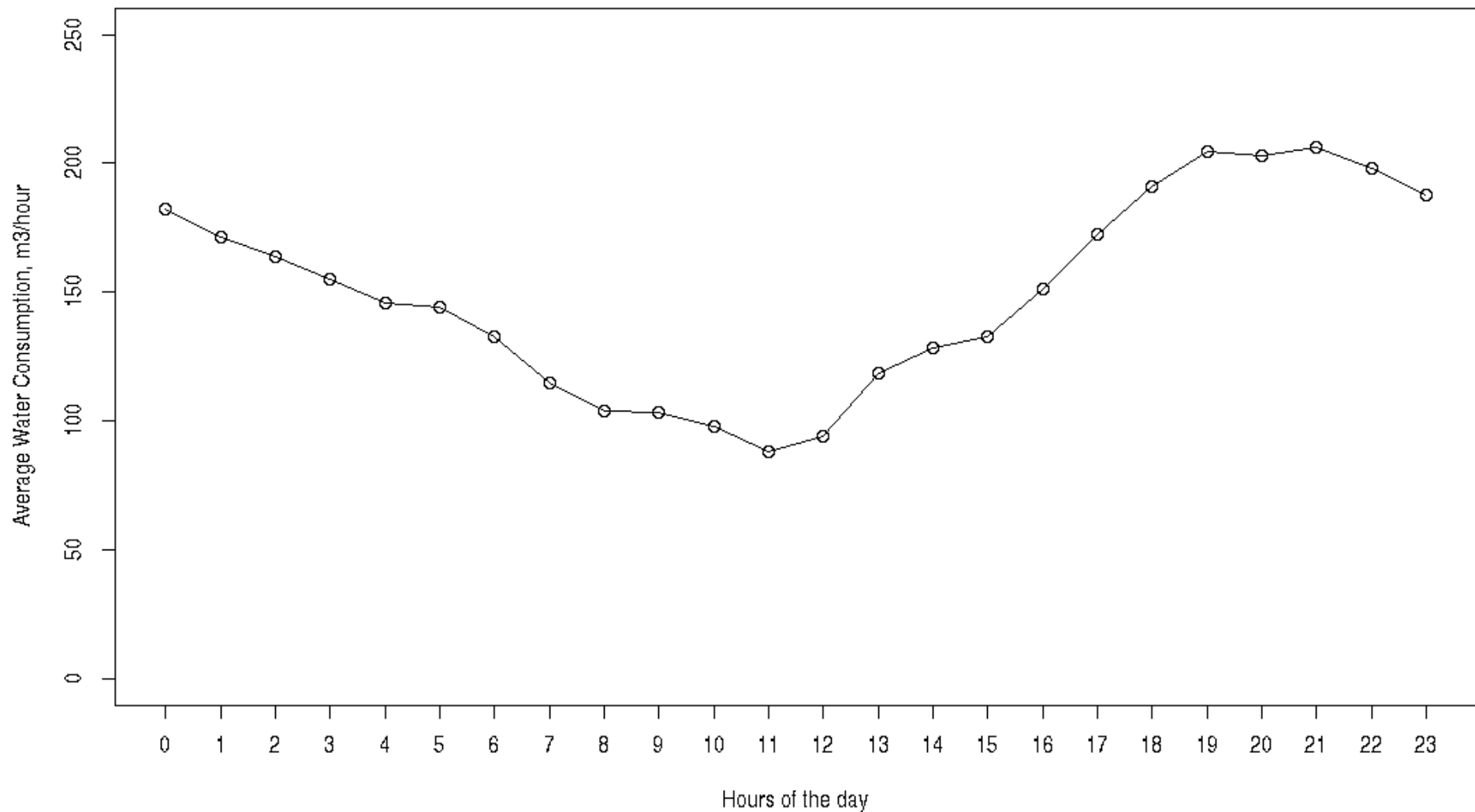SFRES Water Consumption of the day

The average daily water consumption of SFRES

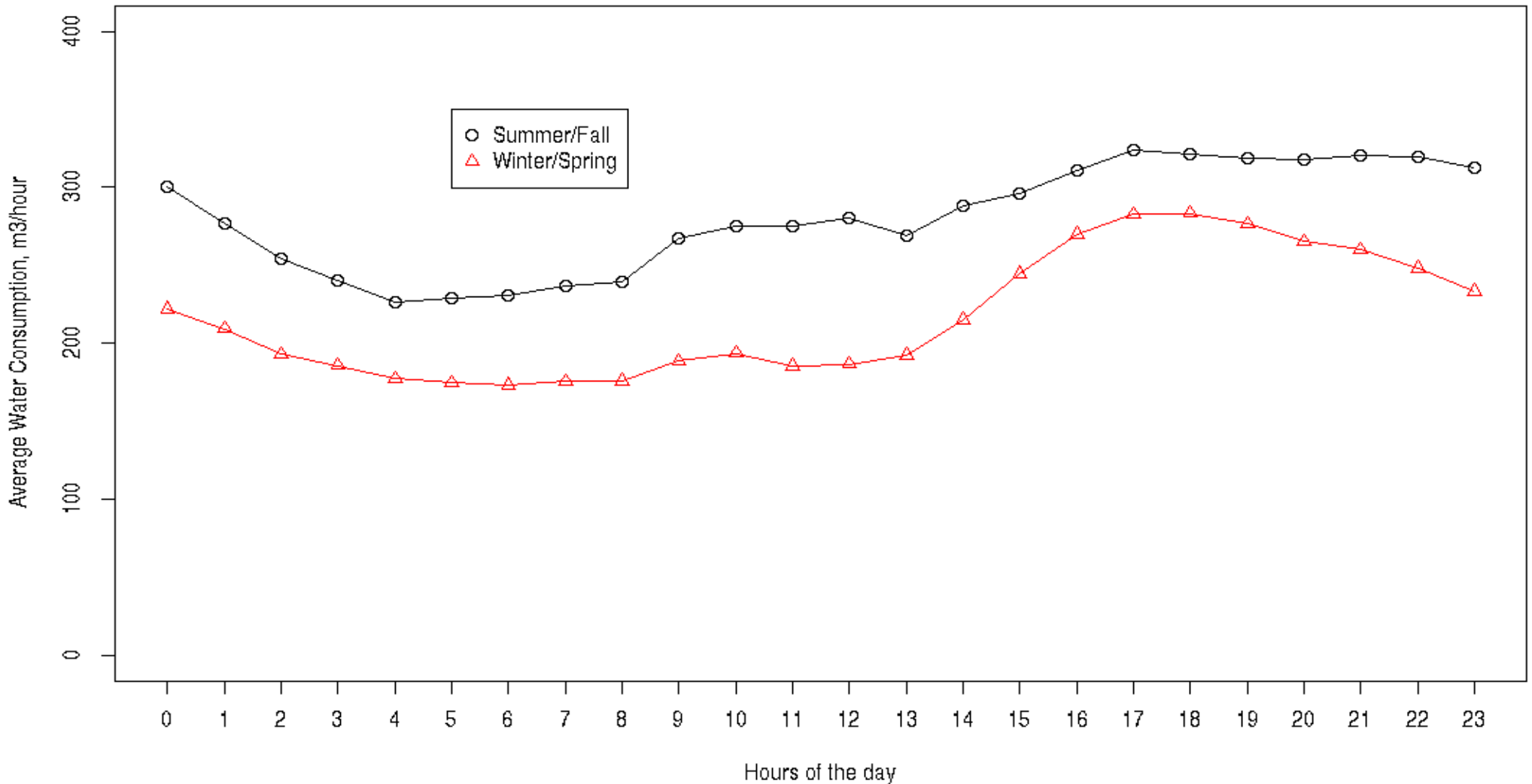SFRES Water Consumption of the day

The average daily water consumption of COM

COM Water Consumption of the day

The average daily water consumption of IND

IND Water Consumption of the day

The average daily water consumption of INST

INST Water Consumption of the day