

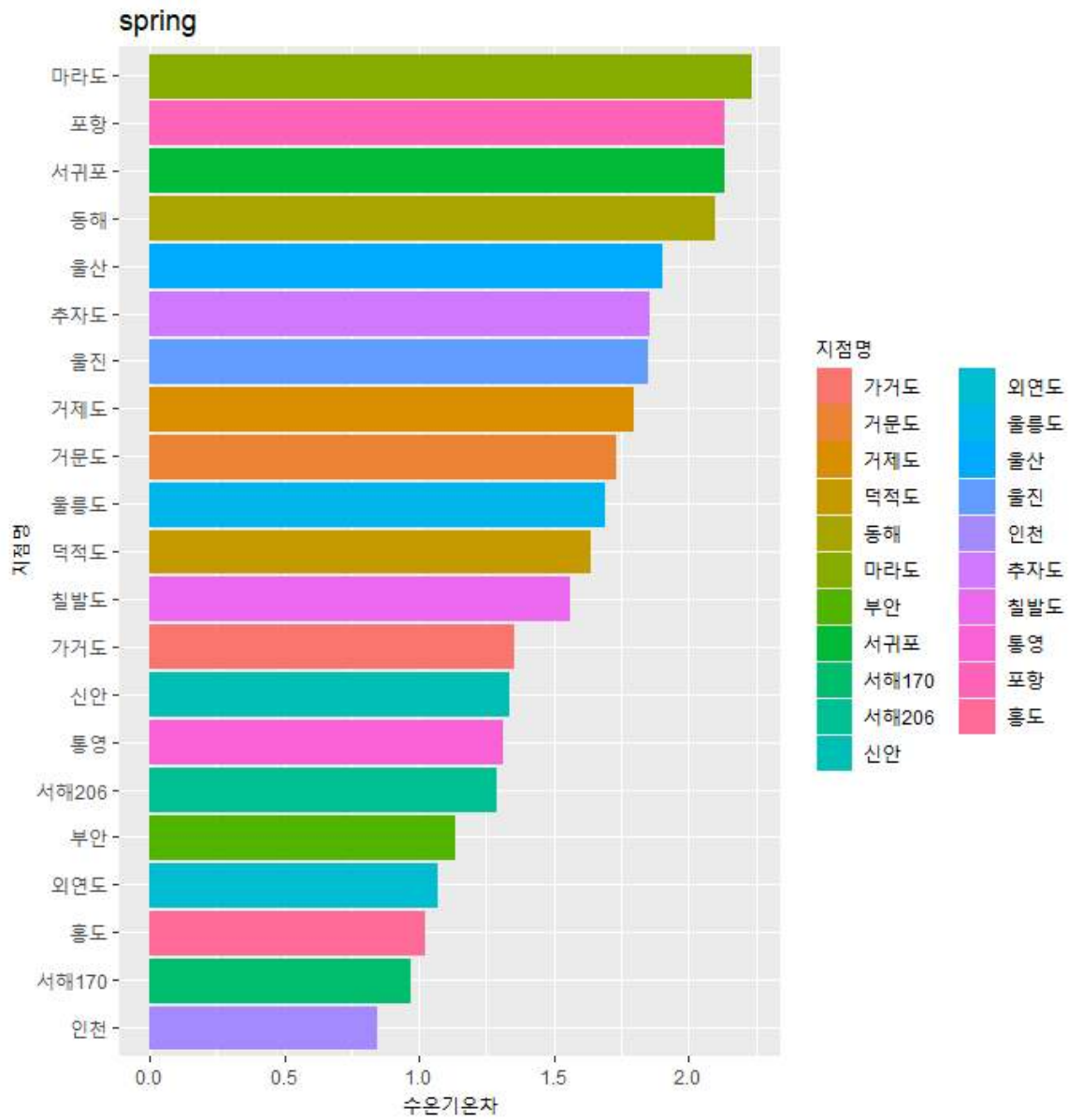


결과 모형 보고서

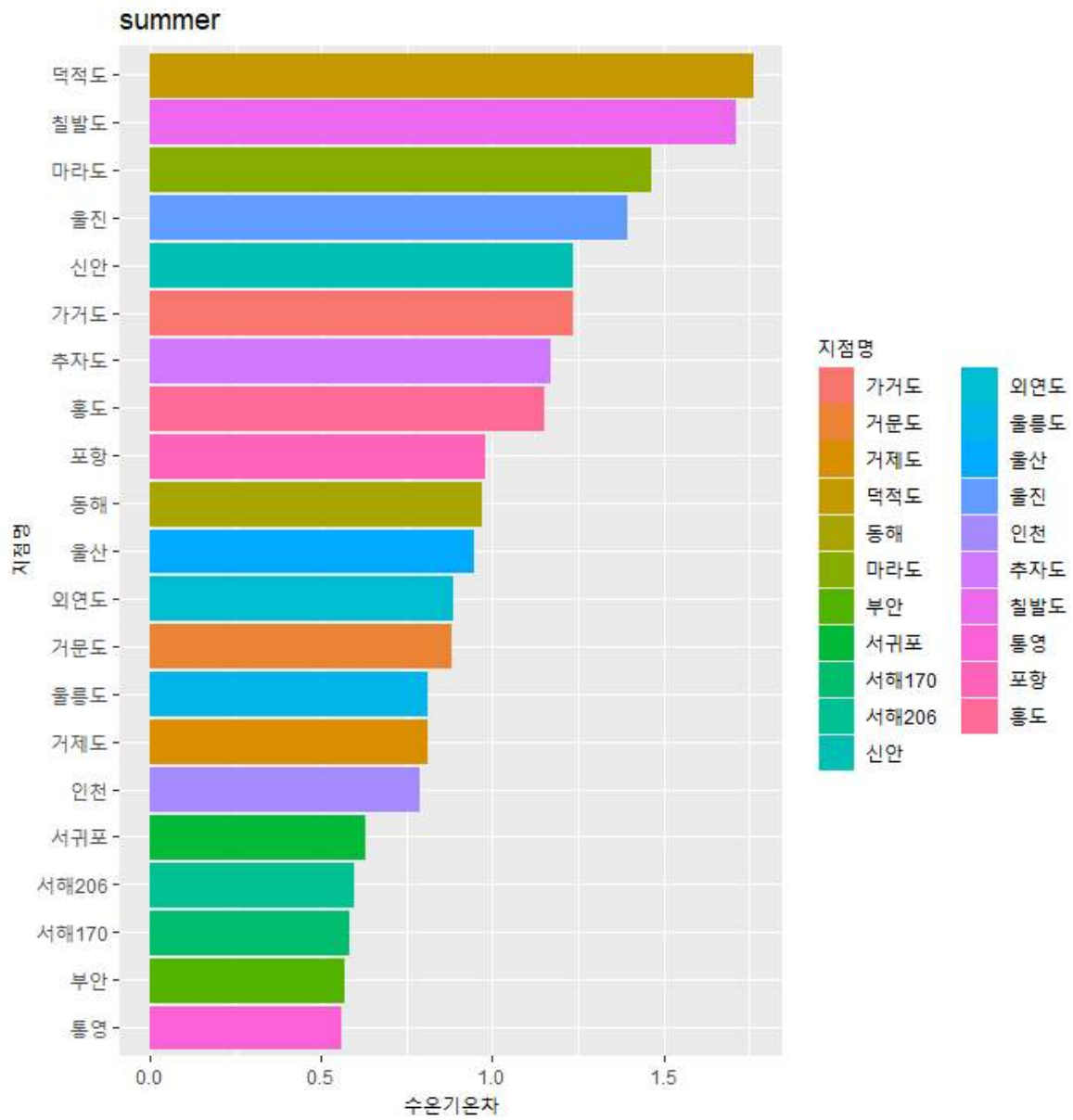
1. 해수

(1) 해양 수온 · 기온 차이 그래프

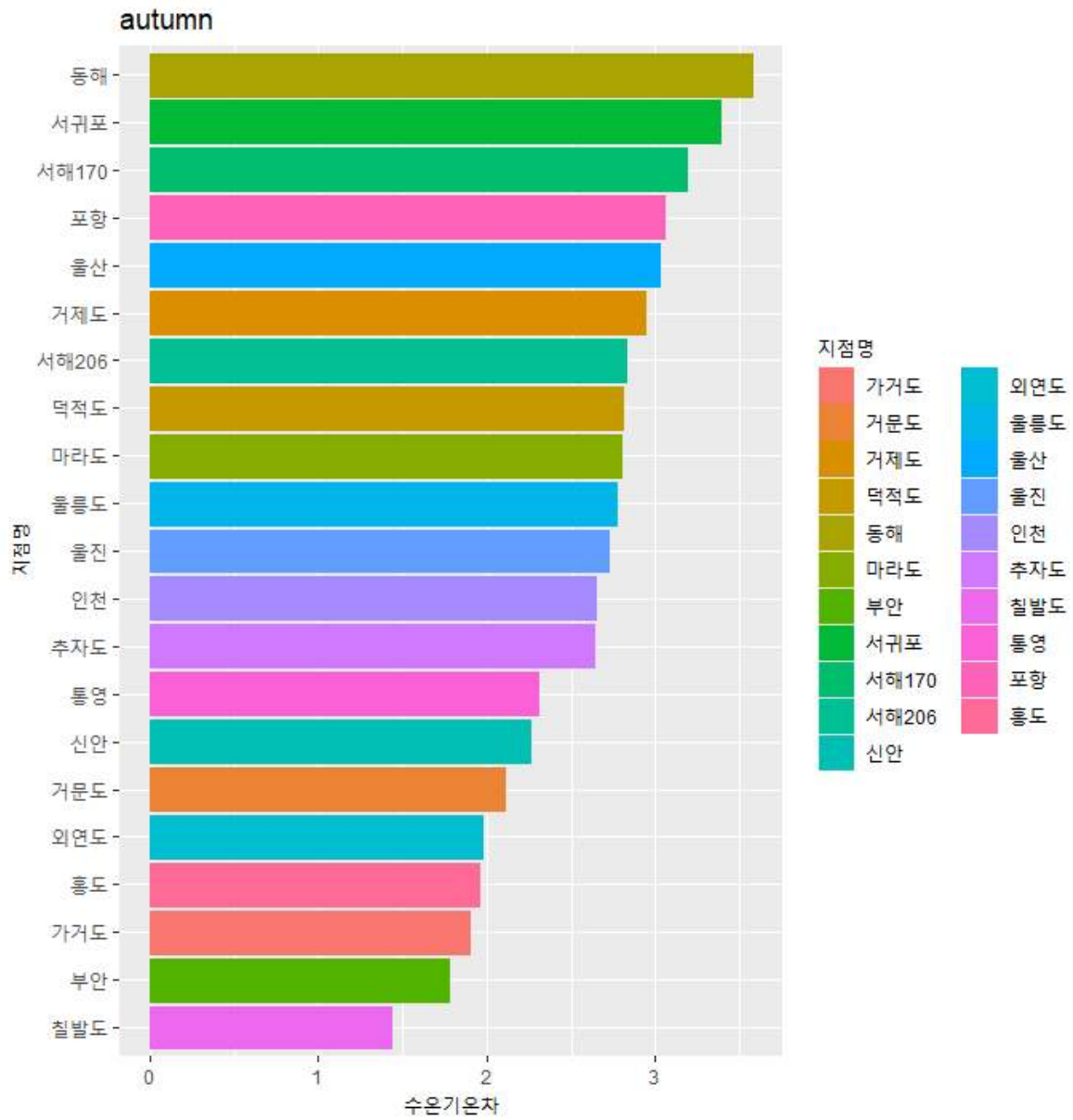
1) 봄



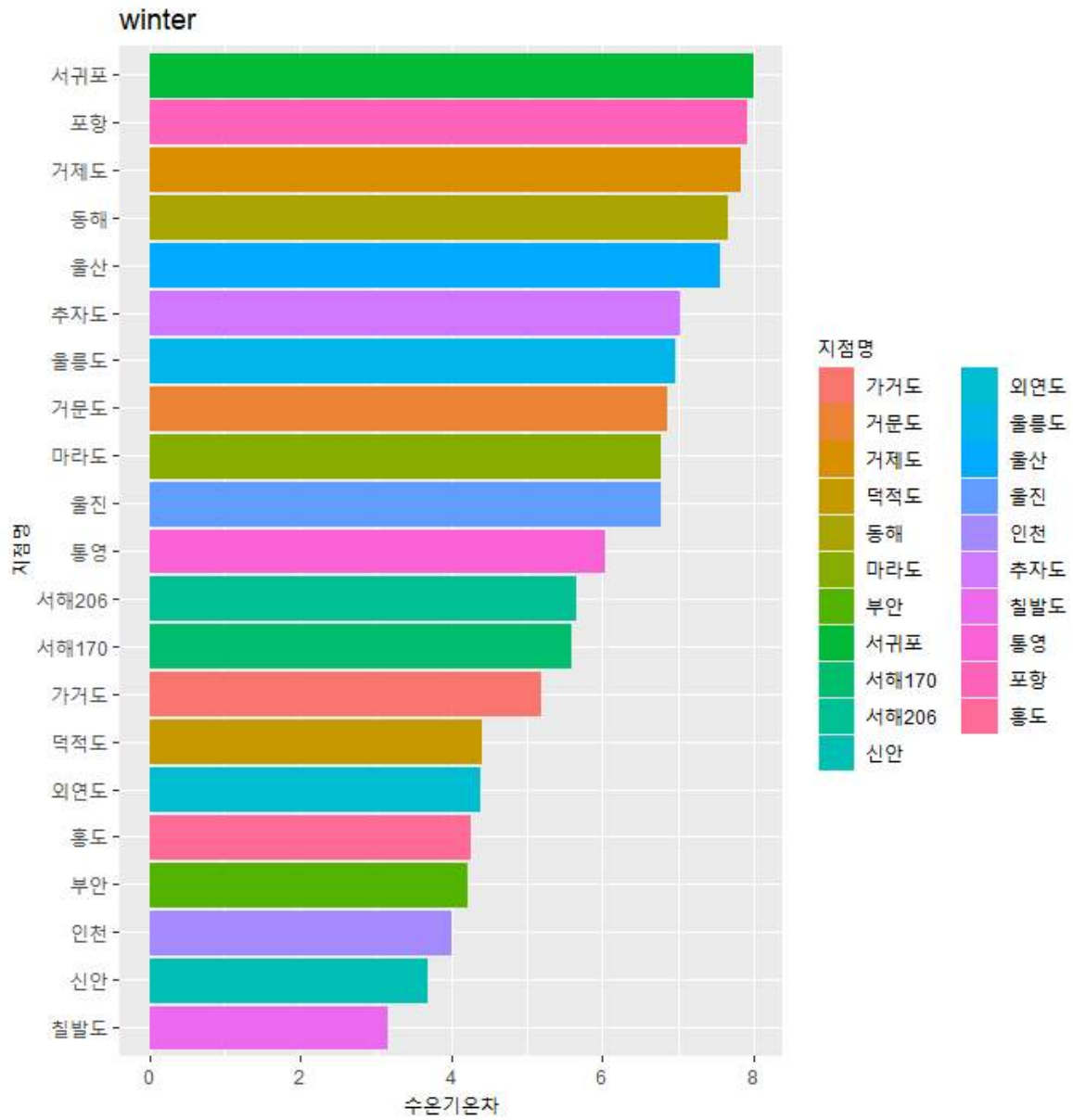
2) 여름



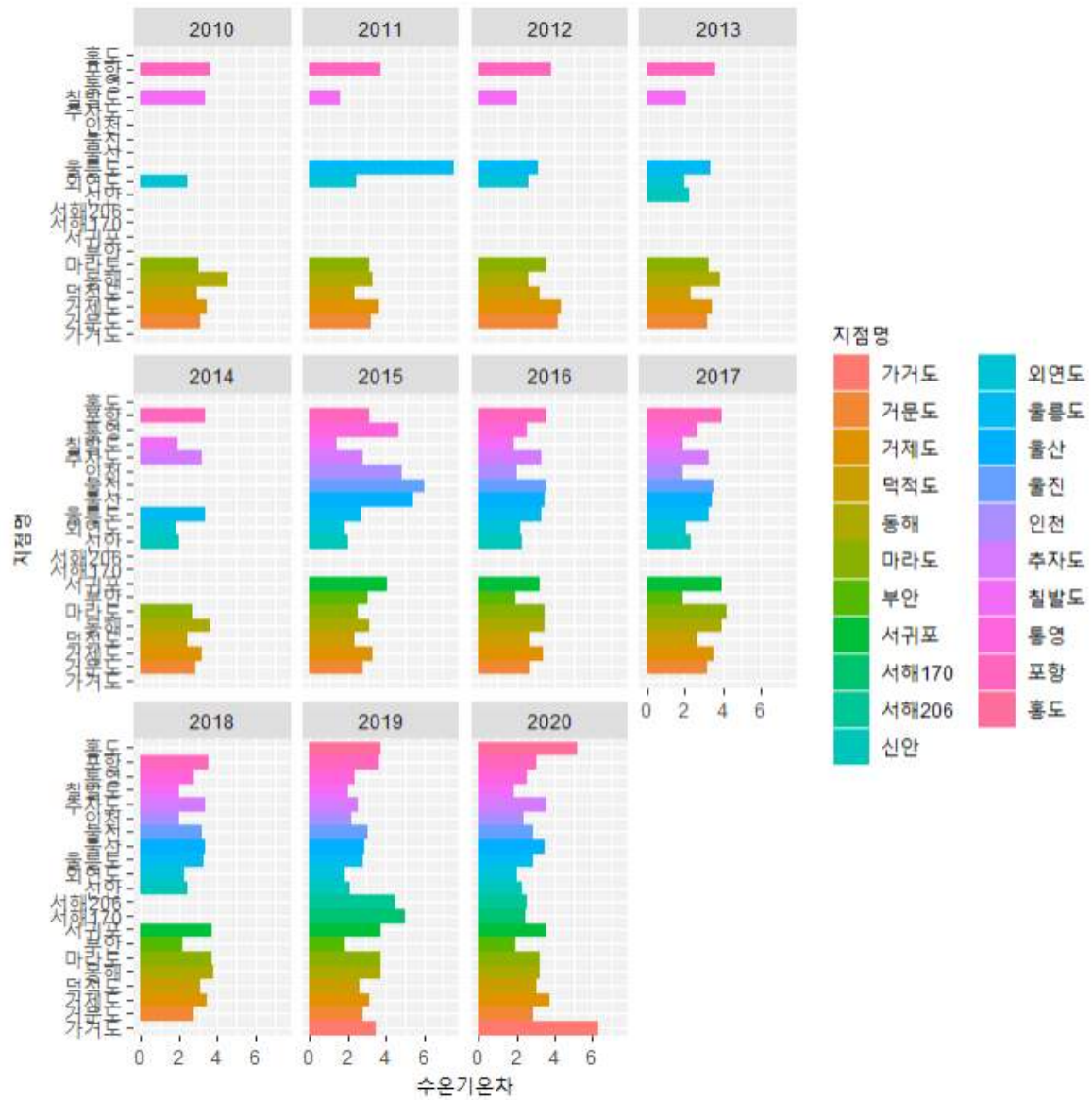
3) 가을



4) 겨울

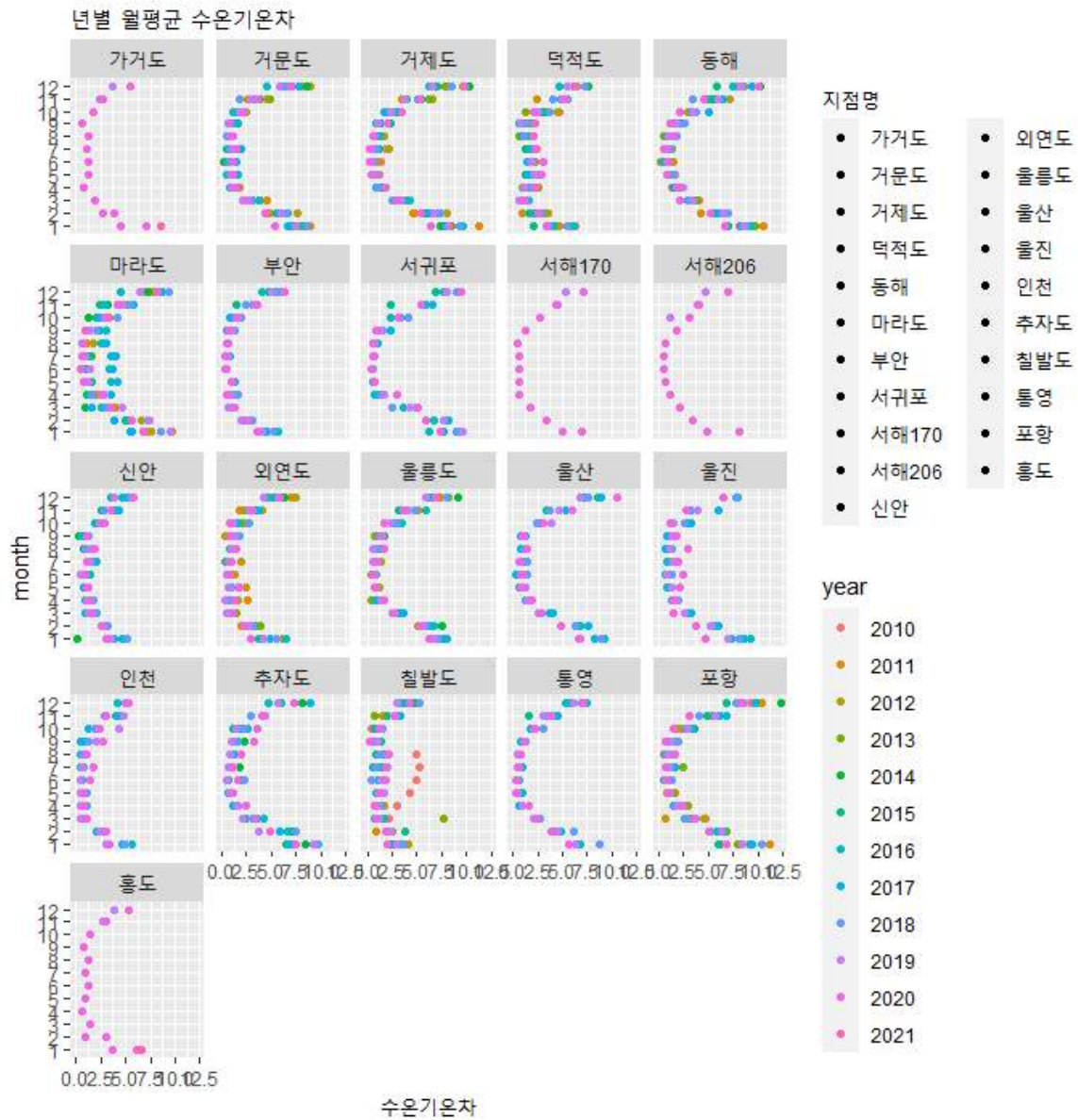


5) 연평균



※ 수집되지 않은 데이터는 공란으로 두었다.

6) 월평균

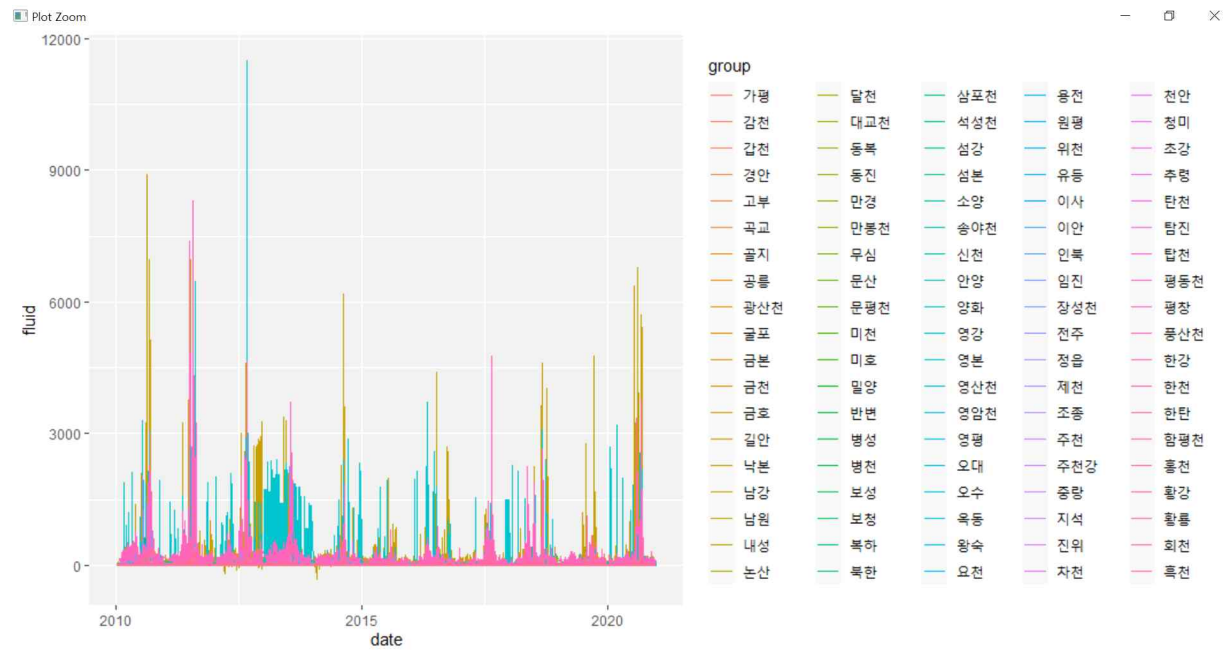


봄, 여름에 비해 가을과 겨울에 수온·기온차가 크다는 것을 알 수 있다.

※ 색깔로 연도를 구분했으며, 색깔이 다양하지 않은 산포도는 데이터가 부분적으로 수집되지 않은 것이다.

2. 하천수

(1) 날짜별 하천수 유량 분포



(2) 하천수 지점별 평균, 분산, 최소, 최대, 평균 표준점수, 분산 표준점수, 최종점수

group	mean	var	min	max	m_score	v_score	score
한강	139.157875	160360.11	0.001	8296.7	0.20728494	0.00021303	0.20707191
낙본	127.865657	175645.273	0.001	8919.8	0.18864295	0.00023422	0.18840873
북한	115.233112	59195.6468	0.9	6018.7	0.16778825	7.2776E-05	0.16771547
임진	88.2032313	53714.783	0.383	3683.159	0.1231654	6.5177E-05	0.12310022
영본	49.0065385	91808.538	0.001	11492.56	0.05845671	0.00011799	0.05833872
금본	48.0619878	18237.7183	0.004	2920.542	0.05689738	1.5992E-05	0.05688139
평창	45.2293945	12794.8284	2.18	1175.16	0.05222114	8.4461E-06	0.05221269
소양	44.5711641	3084.1362	1.806	742.2	0.05113448	-5.017E-06	0.0511395
한탄	33.3971893	4542.87926	0.101	860.581	0.03268769	-2.994E-06	0.03269069
홍천	31.7879439	6524.89195	0.983	1047.059	0.03003103	-2.464E-07	0.03003128
달천	28.5649655	5105.18685	0.559	807.23	0.02471031	-2.215E-06	0.02471253
남강	27.4875582	5732.28571	0.001	1629.885	0.02293165	-1.345E-06	0.022933
골지	22.3999461	2137.52481	0.407	446.534	0.01453266	-6.329E-06	0.01453899
인북	20.6579714	1031.02742	1.627	240.65	0.01165689	-7.863E-06	0.01166475
갑천	18.0293625	539.445894	4.152	286.945	0.00731739	-8.545E-06	0.00732594
섬본	15.090471	1233.44313	0.001	634.575	0.00246566	-7.582E-06	0.00247324
영강	14.9291912	1446.12104	0.038	456.59	0.00219941	-7.288E-06	0.0022067
주천	14.666984	1260.9098	0.397	417.72	0.00176654	-7.544E-06	0.00177408
만경	14.6309861	1090.66723	0.309	501.313	0.00170711	-7.78E-06	0.00171489
황강	14.3727508	1204.09145	0.004	647.374	0.0012808	-7.623E-06	0.00128842
동진	13.9778083	646.761913	1.067	250.331	0.0006288	-8.396E-06	0.00063719

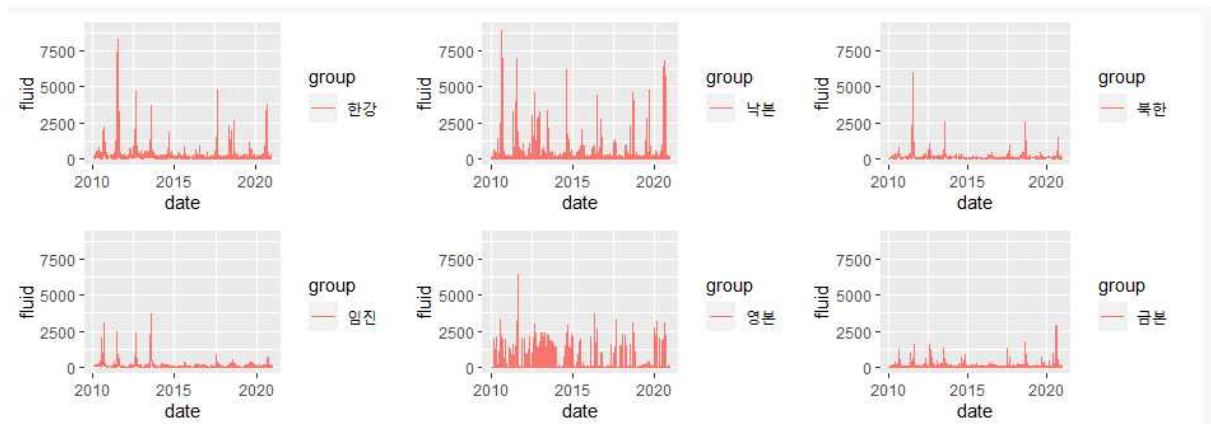
감천	13.895268 7	2109.1886 2	0.527	703.482	0.0004925 4	-6.368E-06	0.0004989
옥동	13.662298 2	1788.2049 3	0.125	475.883	0.0001079 3	-6.813E-06	0.0001147 4
오대	13.358749 4	753.06004	1.037	266.167	-0.0003932	-8.248E-06	-0.0003849
영평	12.914360 7	1259.1272 1	0.492	422.37	-0.0011268	-7.547E-06	-0.0011193
섬강	11.994591 2	928.05358 5	0.014	449.2	-0.0026452	-8.006E-06	-0.0026372
금호	11.655949 6	2480.5676 4	0.001	1569.063	-0.0032043	-5.853E-06	-0.0031984
가평	11.561484 6	2343.3073 3	0.075	628.236	-0.0033602	-6.044E-06	-0.0033542
미호	10.691869 6	1833.9995 7	0.003	1292.624	-0.0047959	-6.75E-06	-0.0047891
곡교	10.387155 7	87.104297 9	3.676	81.297	-0.0052989	-9.172E-06	-0.0052897
내성	10.016731 1	1593.7530 1	0.007	894.093	-0.0059104	-7.083E-06	-0.0059033
제천	9.5668738 1	289.78884 6	1.095	250.47	-0.0066531	-8.891E-06	-0.0066442
위천	9.3603946 1	2541.5192 7	0.002	1212.3	-0.006994	-5.769E-06	-0.0069882
반변	8.6090657 3	1488.1517 8	0.001	787.141	-0.0082343	-7.229E-06	-0.0082271
지석	8.6014285 7	418.38313 8	0.353	258.993	-0.0082469	-8.712E-06	-0.0082382
전주	7.7055197 4	145.17921 2	2.194	174.077	-0.0097259	-9.091E-06	-0.0097169
보청	7.3367214 9	254.16496	0.405	200.883	-0.0103348	-8.94E-06	-0.0103258
회천	7.1895794 3	1366.6404	0.006	666.459	-0.0105777	-7.398E-06	-0.0105703
정읍	6.5658859 6	185.95904 4	0.523	173.159	-0.0116073	-9.035E-06	-0.0115983
탄천	6.5197334 9	97.822326 9	0.06	120.23	-0.0116835	-9.157E-06	-0.0116744
병성	6.3739838 7	176.24537 9	0.515	144.937	-0.0119241	-9.048E-06	-0.0119151
진위	6.2782336	292.78400 8	0.002	497.554	-0.0120822	-8.887E-06	-0.0120733
조종	6.2766576	999.69741 8	0.197	597.808	-0.0120848	-7.907E-06	-0.0120769
밀양	6.1094696 4	1121.8141	0.001	993.166	-0.0123608	-7.737E-06	-0.0123531

초강	5.7635447	638.716577	0.008	506.408	-0.0129319	-8.407E-06	-0.0129235
흑천	5.63988468	228.119893	0.036	188	-0.013136	-8.976E-06	-0.0131271
신천	5.63318385	440.491273	0.053	520.563	-0.0131471	-8.682E-06	-0.0131384
이사	5.50413058	57.659888	0.535	34.9	-0.0133602	-9.213E-06	-0.0133509
굴포	5.47244228	31.43847	0.02	59.818	-0.0134125	-9.249E-06	-0.0134032
북하	5.23199028	74.7504386	0.05	106.722	-0.0138094	-9.189E-06	-0.0138002
요천	4.91069895	66.5557994	0.129	93.66	-0.0143398	-9.2E-06	-0.0143306
용전	4.76008411	408.041024	0.067	349.474	-0.0145885	-8.727E-06	-0.0145797
경안	4.68988398	212.421347	0.003	370.228	-0.0147044	-8.998E-06	-0.0146954
논산	4.60598607	297.580089	0.014	351.535	-0.0148429	-8.88E-06	-0.014834
병천	4.47085088	130.917223	0.129	117.263	-0.015066	-9.111E-06	-0.0150569
청미	4.36738627	153.265947	0.012	245.71	-0.0152368	-9.08E-06	-0.0152277
보성	4.18497916	109.001374	0.002	263.006	-0.0155379	-9.141E-06	-0.0155288
황룡	3.84643516	134.787182	0.005	154.581	-0.0160968	-9.106E-06	-0.0160877
왕숙	3.83247537	149.278644	0.024	271.885	-0.0161198	-9.086E-06	-0.0161108
천안	3.56039604	2.4079581	1.222	10.966	-0.016569	-9.289E-06	-0.0165597
길안	3.55540337	543.606785	0.001	490.241	-0.0165772	-8.539E-06	-0.0165687
추령	3.50023028	37.2575616	0.183	71.606	-0.0166683	-9.241E-06	-0.0166591
함평천	3.48994879	51.6276258	0.238	74.072	-0.0166853	-9.221E-06	-0.0166761
이안	3.48457309	70.6567211	0.139	73.559	-0.0166942	-9.195E-06	-0.016685
고부	3.47585965	155.117189	0.076	178.192	-0.0167086	-9.077E-06	-0.0166995
석성천	3.17986119	63.7860091	0.224	86.069	-0.0171972	-9.204E-06	-0.017188
탐진	3.1513128	85.184965	0.004	272.499	-0.0172444	-9.174E-06	-0.0172352

무심	3.07807538	28.5315418	0.015	73.072	-0.0173653	-9.253E-06	-0.017356
원평	3.06353509	67.1067128	0.094	86.01	-0.0173893	-9.199E-06	-0.0173801
안양	3.05737361	37.7622297	0.008	95.879	-0.0173994	-9.24E-06	-0.0173902
양화	2.94453641	41.5686272	0.023	76.532	-0.0175857	-9.235E-06	-0.0175765
중량	2.88032864	22.6784809	0.122	58.982	-0.0176917	-9.261E-06	-0.0176824
공릉	2.87332155	88.1221183	0.04	167.106	-0.0177033	-9.17E-06	-0.0176941
문산	2.81823787	73.5630015	0.003	105.232	-0.0177942	-9.19E-06	-0.017785
주천강	2.48390365	41.5226361	0.036	41.904	-0.0183462	-9.235E-06	-0.0183369
금천	2.41636478	106.32581	0.017	205.674	-0.0184577	-9.145E-06	-0.0184485
유등	2.17180263	40.6566508	0.098	109.958	-0.0188614	-9.236E-06	-0.0188522
미천	1.91458824	47.9454492	0.001	79.39	-0.019286	-9.226E-06	-0.0192768
오수	1.86912418	20.3519154	0.01	105.457	-0.0193611	-9.264E-06	-0.0193518
남원	1.62705208	7.84657971	0.299	23.297	-0.0197607	-9.282E-06	-0.0197514
한천	1.60664286	12.5168998	0.239	35.109	-0.0197944	-9.275E-06	-0.0197851
차천	1.44134535	11.4613405	0.111	32.359	-0.0200673	-9.277E-06	-0.020058
만봉천	1.38338251	3.28083322	0.169	20.591	-0.020163	-9.288E-06	-0.0201537
광산천	1.21689583	21.3856195	0.025	47.73	-0.0204378	-9.263E-06	-0.0204286
동북	1.12891731	20.6946917	0.006	140.953	-0.0205831	-9.264E-06	-0.0205738
대교천	1.12363202	5.53606793	0.047	23.616	-0.0205918	-9.285E-06	-0.0205825
장성천	1.02467671	1.12198146	0.1	10.099	-0.0207552	-9.291E-06	-0.0207459
송야천	0.90508307	4.73085178	0.001	24.789	-0.0209526	-9.286E-06	-0.0209433
탑천	0.85338377	10.6089833	0.044	60.716	-0.0210379	-9.278E-06	-0.0210287
영암천	0.85	0.3528	0.43	1.27	-0.0210435	-9.292E-06	-0.0210342

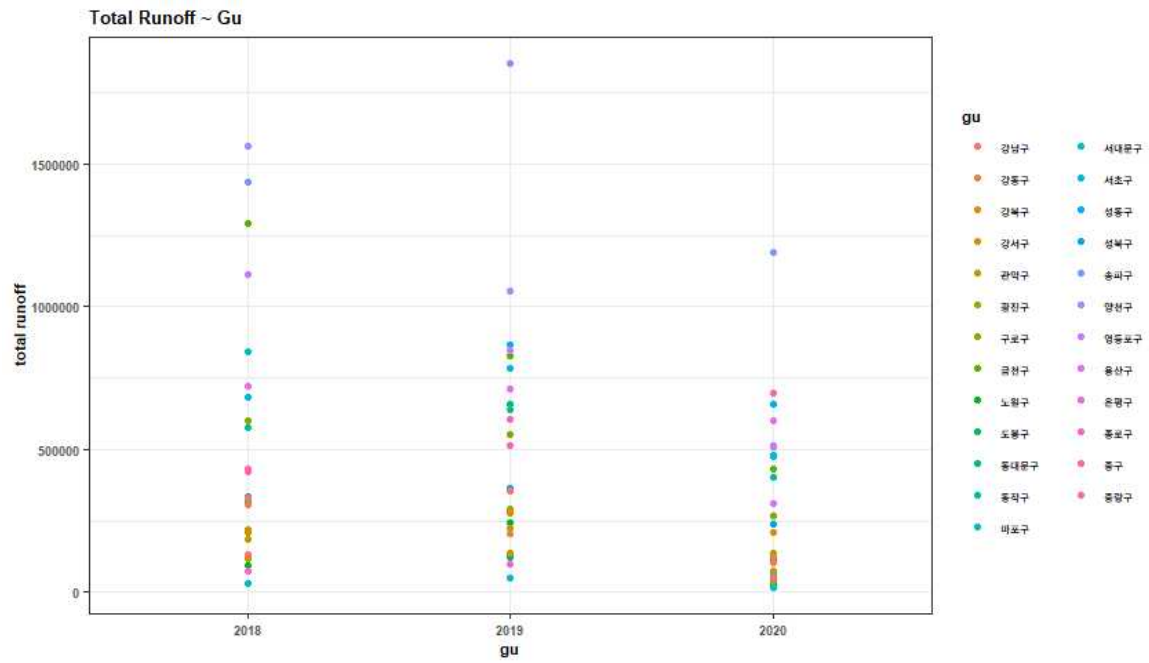
삼포천	0.7595079 4	0.4077993 5	0.03	3.21	-0.0211929	-9.292E-06	-0.0211836
영산천	0.6997692 3	0.5276336	0.119	4.819	-0.0212915	-9.292E-06	-0.0212822
평동천	0.5346353 9	0.7012254	0.015	8.341	-0.0215641	-9.292E-06	-0.0215549
문평천	0.4054	0.5207067 4	0.014	6.407	-0.0217775	-9.292E-06	-0.0217682
풍산천	0.3102388 5	0.5154568 1	0.002	8.673	-0.0219346	-9.292E-06	-0.0219253

(3) 상위 6개 지점 날짜별 하천수 유량

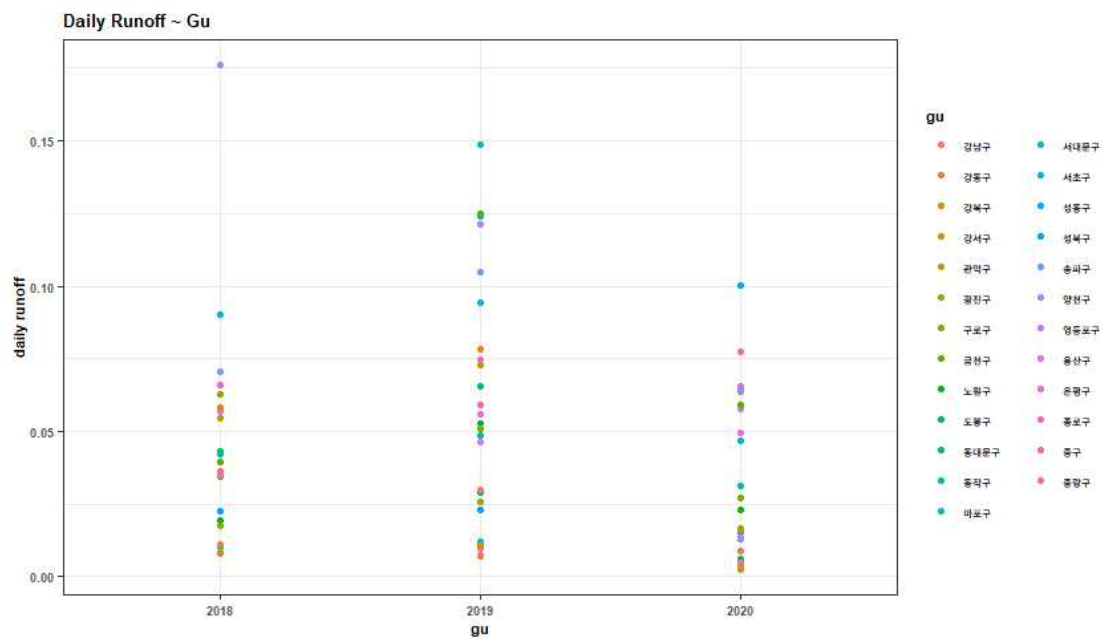


3. 유출지하수

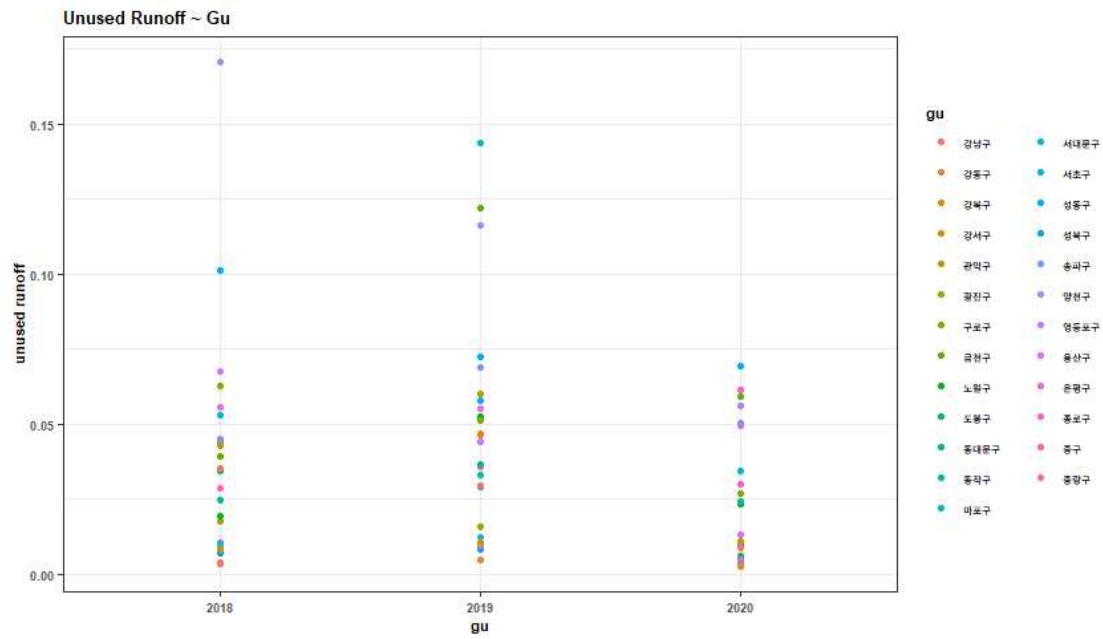
(1) 총발생량



(2) 일일 평균 발생량

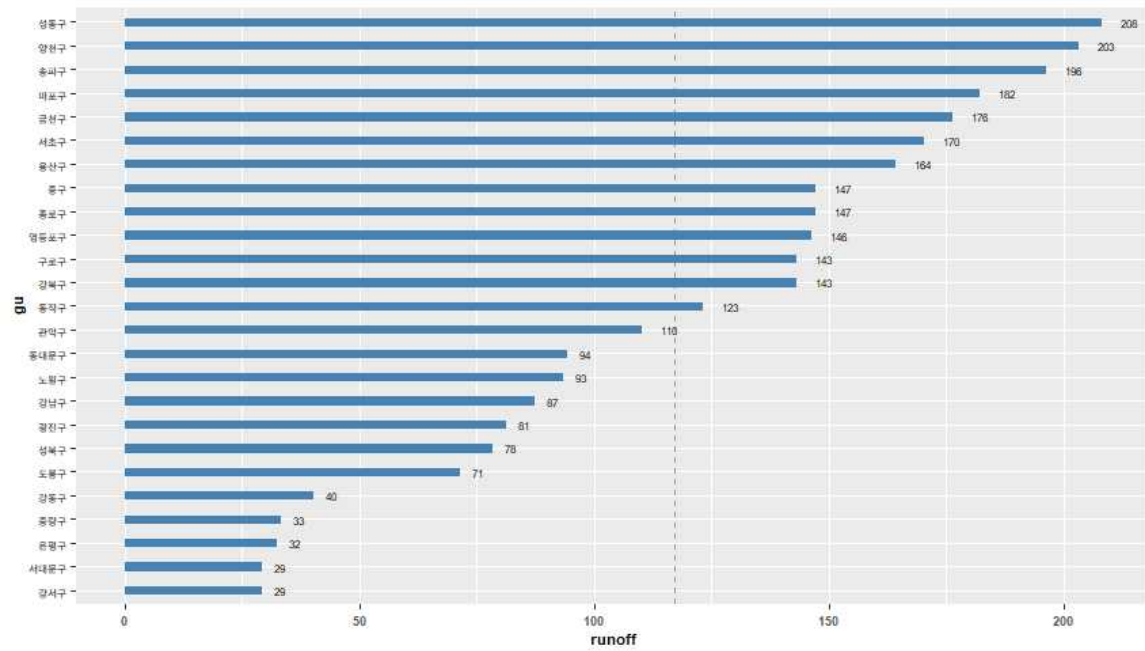


(3) 일일 평균 방류량

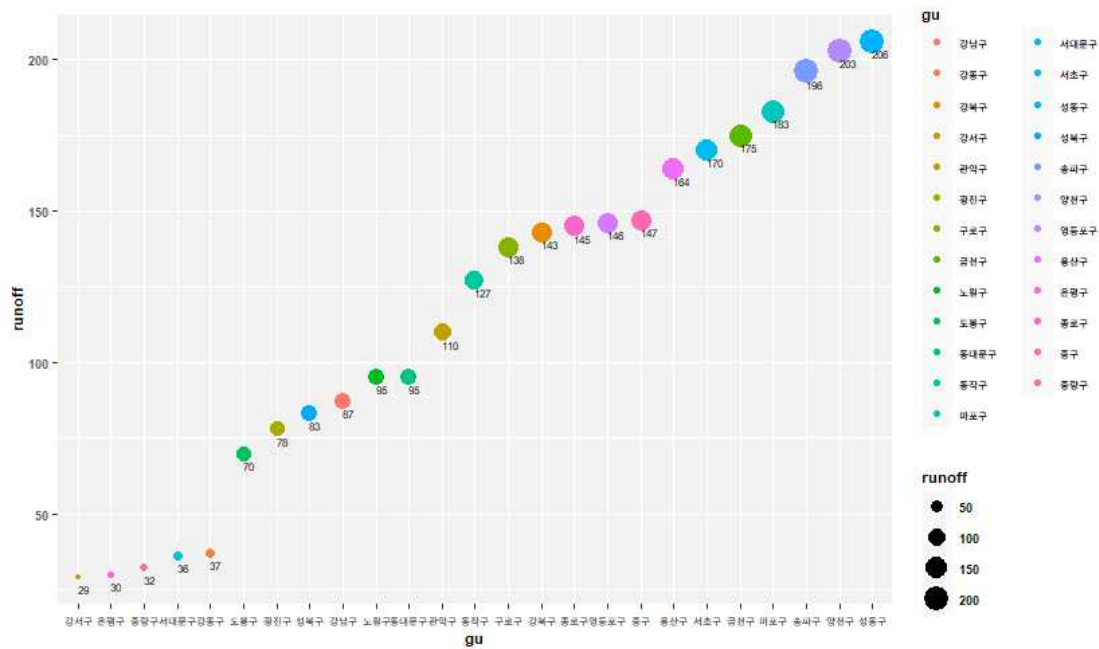


(4) 구역별 종합 순위

1) bar

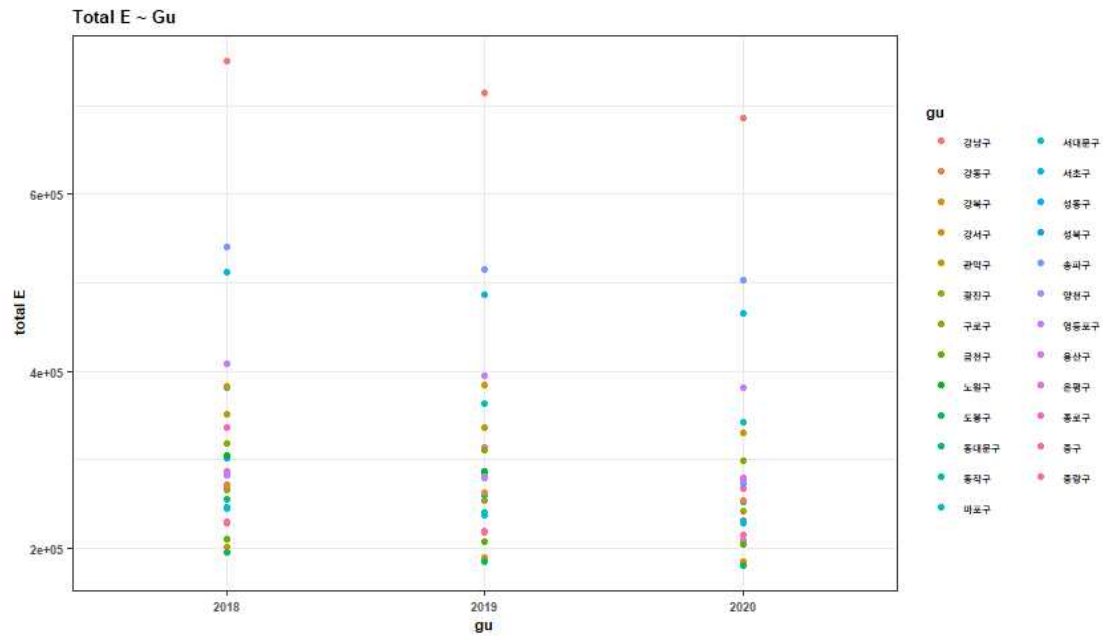


2) plot

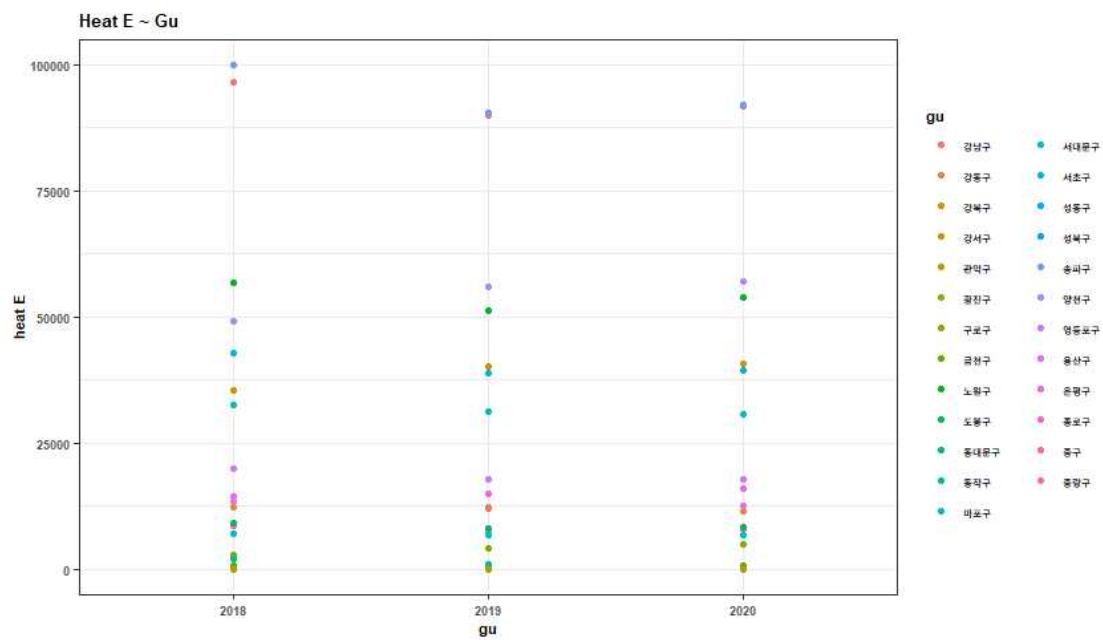


4. 건물에너지

(1) 건물에너지 총사용량

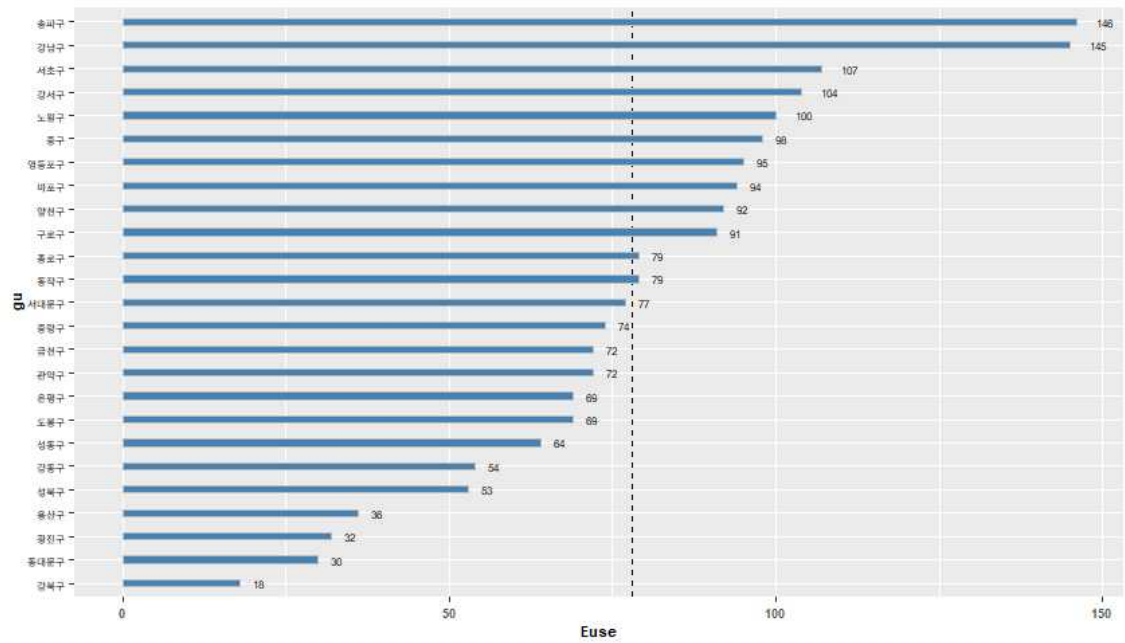


(2) 냉난방 에너지 사용량



(3) 구역별 종합 순위

1) bar



2) plot

