How to use the datasets?

* We are using an input file for the kmeans, these data are to be used in that input file.
* While running kmeans for 15 agents, copy the data from **Dataset for 15 agents** (starting from res1,res2,res3 to 356.5679800856975, 371.84167224643113, 494.1675817837351) onto the csv file
* for 16 agents copy and paste the data from **Dataset for 15 agents**

**Dataset for 15 agents**

res1,res2,res3

6631.735273211839,6915.807564364208,9190.922253325587  
1487.62556505517,1551.348434746467,2061.700346470519  
7780.68434351365,8113.972199125657,10783.250828446824  
2084.07596952923,2173.347964144454,2888.320992446744  
10119.002772391848,10552.4531716172,14023.926458270242  
2726.6165430899327,2843.411948301332,3778.818006110487  
2583.567308579545,2694.2351586155887,3580.566064707832  
7402.4292828441185,7719.514473950139,10259.027120576036  
7320.412912439996,7633.984908689337,10145.360628650586  
12942.482748537974,13496.877726037816,17936.987501192798  
13676.1398429566,14261.961233475904,18953.76290575997  
6654.642547686674,6939.6960785411775,9222.669446188404  
5375.430720450536,5605.688844121033,7449.809709589212  
2536.1243627132544,2644.759980493934,3514.8148836124155  
356.5679800856975,371.84167224643113,494.1675817837351

**Dataset for 16 agents**

res1,res2,res3

9107.32206383748,9497.436828428174,12621.838112694702  
6229.774830591041,6496.629030371585,8633.845255399694  
8025.835280619161,8369.624247254555,11123.005524682674  
7473.015582347031,7793.124357929463,10356.852676656626  
2247.820099045416,2344.1061206261475,3115.2539898932578  
9308.692125723925,9707.432634933924,12900.91689173187  
2569.411584337807,2679.4730698474327,3560.947645759345  
3120.505287326276,3254.173030383597,4324.708436833752  
1079.1100714102652,1125.3340622304909,1495.538702996047  
5462.772289043297,5696.77171396917,7570.85639395585  
584.0063349417477,609.0224145618939,809.3744093768153  
12905.437614888286,13458.245753414862,17885.6466485786  
5900.011118005484,6152.739794146463,8176.825709311272  
7722.183212890056,8052.965155716555,10702.174108532356  
1130.5581262120954,1178.9859092828838,1566.8405647694656  
5475.043715765408,5709.568790790545,7587.863364875796

**Dataset for 17 agents**

res1,res2,res3

2501.340110961735,2608.4857352966587,3466.607387336183  
3072.1696183472145,3203.766889097427,4257.720030730822  
6006.121918129273,6263.395880966019,8323.884672613885  
12747.125425043923,13293.152215305876,17666.241776600265  
5299.352918147632,5526.352227237077,7344.373479498077  
13661.76798671374,14246.973754630086,18933.844949460105  
478.2229818393637,498.7078010512488,662.7692549178637  
5843.564225258016,6093.874982484774,8098.59595777408  
53.55840054041251,55.85259005871677,74.22659004013569  
15003.364109859824,15646.03753424954,20793.16308494214  
7208.66674385556,7517.452060777471,9990.491607910988  
651.1778742757452,679.0712661366134,902.4674491651742  
7127.523790150026,7432.833325271189,9878.035584232652  
1799.7945668706425,1876.8892856963096,2494.3353820054504  
5945.587659573913,6200.268620004412,8239.990240595105  
3118.476137603242,3252.056961447542,4321.896238129124  
5749.986193456432,5996.288508729426,7968.906158728311

**Dataset for 18 agents**

res1,res2,res3

6203.621866053137,6469.355796062552,8597.599860512959  
2001.2085725619293,2086.9309183524456,2773.4750627639896  
6233.787495891634,6500.813579346452,8639.40640844441  
11991.273675221491,12504.923338005074,16618.706797977156  
4148.258758771037,4325.950617892285,5749.072025318707  
10954.044097298374,11423.26373226679,15181.21027304062  
1793.666558970471,1870.4987828121436,2485.842575544109  
6544.941581737373,6825.296040108581,9070.634871885131  
583.9431623629434,608.9565359674755,809.2868584966291  
308.5712354883865,321.7889732655535,427.64889099875705  
402.9872755539631,420.24935161032863,558.5000857403279  
8111.161893896819,8458.605850596121,11241.25968237536  
2916.7404136823643,3041.679829668758,4042.310688059789  
12022.29864792828,12537.277274356622,16661.7043092336  
5785.155279278115,6032.964072475137,8017.646996562007  
4633.621916466771,4832.104446289927,6421.736850320024  
481.5130565737609,502.1388070848246,667.3289696600401  
5018.554502581544,5233.525730637051,6955.21494104589

**Dataset for 19 agents**

res1,res2,res3

3409.68625885183,3555.7411521427807,4725.484360017625  
14875.338686201683,15512.52810468253,20615.732643765743  
4728.819136940927,4931.379467131155,6553.670683029681  
2672.050186684577,2786.508226297787,3703.194489985727  
13212.715221790171,13778.685685140694,18311.50269965336  
5938.341356668357,6192.711919626104,8229.947589028774  
6419.893366233976,6694.891348265416,8897.330543642218  
9858.764122400617,10281.067124074076,13663.261699976683  
1679.7157339172354,1751.6668413364337,2327.918121291977  
3283.085203100151,3423.717103691896,4550.027950395429  
1623.9413476304023,1693.5033431433824,2250.620396492874  
5508.390239058449,5744.343722016587,7634.078313208108  
7388.72769215224,7705.225971673294,10240.038085337455  
5581.016624188403,5820.081079278574,7734.731224063249  
570.6432176908828,595.0868843334296,790.8544644973977  
6537.738068961495,6817.783962787485,9060.651523161703  
10406.533217585798,10852.30006627382,14422.41491692698  
4069.199776691528,4243.50512153706,5639.504178023152  
2531.467746779583,2639.903897075088,3508.3612793524794

**Dataset for 20 agents**

res1,res2,res3

730.5717877341158,761.8660407528132,1012.4994778757741  
7834.240747067052,8169.82270665585,10857.47465086256  
1553.5362707726597,1620.0824445334467,2153.0459968854643  
6578.270882999941,6860.0530115935135,9116.825952204534  
2694.1720704078643,2809.5777072840806,3733.853209765922  
117.29472676152402,122.319080177112,162.55876780016925  
1392.5677254998925,1452.2187652459356,1929.9596817834436  
4772.690122750438,4977.1296792578505,6614.471484500256  
6917.646305526156,7213.965678123911,9587.166367589858  
4210.951278972947,4391.328590259906,5835.957592263502  
2212.2720669198816,2307.035378302477,3065.98797035773  
13205.79279021885,13771.466729218537,18301.90890138566  
9281.644911982892,9679.226845999498,12863.432156828916  
6650.903890930462,6935.797275345637,9217.488041599318  
1825.8665438418093,1904.0780633128509,2530.468536219316  
11007.638438498909,11479.15380251416,15255.486673243451  
841.0670323632752,877.0943810213655,1165.634843041964  
14112.788742994697,14717.314114953677,19558.914638589413  
4851.168857953434,5058.970073694428,6723.235167620064  
7152.958766301731,7459.357815954636,9913.285918978345

**Dataset for 21 agents**

res1,res2,res3

2879.9163776256214,3003.278425417846,3991.2762546109293  
1134.8699510019446,1183.4824323299215,1572.8163229655966  
9935.352822271796,10360.936522970842,13769.405983033745  
5168.997010339785,5390.412486560357,7163.713220219761  
4183.216332161709,4362.405609011063,5797.51972806348  
2136.648742652272,2228.1727071514,2961.181601398884  
4224.543365664051,4405.502897900553,5854.794865901823  
2014.841219693812,2101.147523852037,2792.3685491192537  
4588.435831463924,4784.982802317045,6359.113452810341  
6000.714519661823,6257.756855027245,8316.3905588021  
14968.476777750931,15609.655793218082,20744.81272959337  
3658.9248087468695,3815.6559071327633,5070.904079026927  
168.9825428207375,176.22095872942796,234.19291471242192  
15638.191169743892,16308.057594149035,21672.96993960809  
7195.726900398778,7503.957935398011,9972.558278204371  
47.9422578394207,49.99587826701445,66.44317758443937  
5216.40287452212,5439.848994593441,7229.413009807493  
1374.4342447205092,1433.30853159278,1904.8284898465904  
12130.721291639824,12650.344233250098,16811.967256682372  
12743.60176510599,13289.47761837927,17661.358336112597  
6525.42042199903,6804.938685868443,9043.580495608294

**Dataset for 22 agents**

res1,res2,res3

7217.868516153724,7527.047993643226,10003.244344608253  
8009.149162928451,8352.223374904988,11099.880233324222  
6217.470927735556,6483.798086292306,8616.793275804848  
1601.1221780076985,1669.7067078152695,2218.995308149119  
3236.516832320026,3375.1539633322045,4485.488842956527  
310.81169051612835,324.1253988299248,430.7539377359551  
199.9104695072378,208.47369206644635,277.05592988439344  
7711.336746665698,8041.654077986412,10687.14199043891  
622.2736277076352,648.9288978389159,862.409052372476  
6748.6210653058,7037.70019303945,9352.914278549128  
9141.779471282664,9533.370228849082,12669.59263543012  
8068.822888995413,8414.453242221121,11182.58205332345  
3685.582472222253,3843.455459303676,5107.848936196852  
2541.977758618505,2650.8641082992567,3522.927105295993  
7828.619990056534,8163.961182899343,10849.684843435056  
9254.359305776625,9650.7724529899,12825.617033796234  
6299.3224813097695,6569.155774746802,8730.231348077321  
5195.659656717589,5418.217235077751,7200.664983194405  
2282.527249651338,2380.29996202804,3163.354631687876  
5540.18769977018,5777.503236119336,7678.146415629989  
6839.963776864118,7132.955595964876,9479.506147155766  
1298.0264753971585,1353.6278134559864,1798.934958444991

**Dataset for 23 agents**

res1,res2,res3  
6093.600133660188,6354.621251063276,8445.120735979079  
120.16089526952982,125.30802183895383,166.53099088157302  
58.99772811241693,61.524912794437846,81.76495439955181  
7131.205662125877,7436.672911293941,9883.13829079174  
4758.020302096958,4961.831472610036,6594.140579308521  
3813.5510974582976,3976.9056574718097,5285.200660437169  
6302.869304901613,6572.854527549107,8735.146891074124  
15248.383427632463,15901.552325093518,21132.73536993785  
2690.816756160591,2806.0786671842984,3729.203079579524  
6651.526898967762,6936.446970111715,9218.351468469982  
1272.2790045936474,1326.7774423222893,1763.2515373454287  
7813.27151000886,8147.955246286649,10828.4133841543  
14283.940368834985,14895.797069998747,19796.11368556924  
214.12032113901057,223.2922267869845,296.74936398549005  
5732.234471748975,5977.776386908034,7944.304046708708  
11380.34897668075,11867.82950398375,15772.026227115814  
10176.09061862584,10611.98639219268,14103.04450727709  
3180.796851658191,3317.047201244773,4408.266518915883  
881.2727811028955,919.0223545922596,1221.3559922704712  
11928.904451586544,12439.882510706007,16532.269287761002  
3112.7944500878166,3246.131897210395,4314.021987111761  
6375.589918518836,6648.690149602764,8835.930393194578  
7620.616795721278,7947.048111805209,10561.41320579883