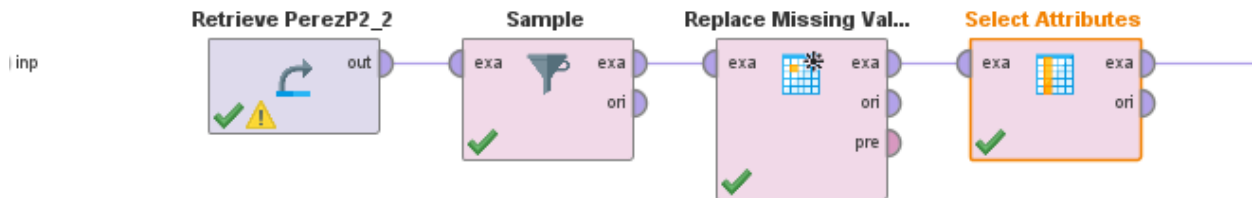# Assessment 5 - P 2_2: Laboratory Activity (Correlation)

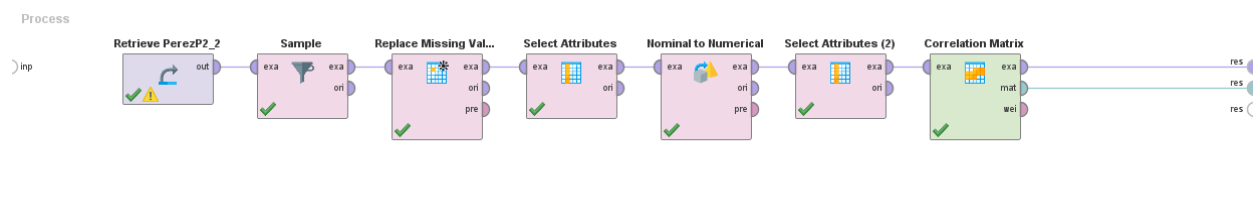## Data Preparation:

Row No.	DR_NO	Date Rptd	DATE OCC	TIME OCC	AREA	AREA NAME	Rpt Dist No	Part 1-2	Crm Cd	Crm Cd Desc	Mocodes	Vict Age	Vict Sex	Vict Descent	Premis Co
1	10304468	1/8/2020 0:00	1/8/2020 0:00	2230	3	Southwest	377	2	624	BATTERY - SI...	0444 0913	36	F	B	501
2	190101086	1/2/2020 0:00	1/1/2020 0:00	330	1	Central	163	2	624	BATTERY - SI...	0416 1822 1...	25	M	H	102
3	191921269	1/1/2020 0:00	1/1/2020 0:00	415	19	Mission	1998	2	740	VANDALISM -...	329	31	X	X	409
4	201710201	6/19/2020 0:00	5/26/2020 0:00	1925	17	Devonshire	1708	1	341	THEFT-GRA...	1300 0202 0...	0	X	X	203
5	211916029	11/26/2021 0:...	11/30/2020 0:...	730	19	Mission	1916	2	626	INTIMATE PA...	2000 1814 0...	24	F	H	501
6	200506268	2/22/2020 0:00	2/22/2020 0:00	1900	5	Harbor	511	1	440	THEFT PLAIN...	0319 0344 0...	29	F	W	102
7	210916801	11/22/2021 0:...	11/19/2020 0:00	1200	9	Van Nuys	932	2	354	THEFT OF ID...	1501 1822	46	M	B	502
8	200100535	1/14/2020 0:00	1/14/2020 0:00	1330	1	Central	152	1	210	ROBBERY	0416 0411 0...	66	M	B	103
9	200914517	9/10/2020 0:00	9/9/2020 0:00	1735	9	Van Nuys	909	2	354	THEFT OF ID...	0377 1822 0...	40	M	O	507
10	200100538	1/14/2020 0:00	1/14/2020 0:00	1730	1	Central	162	1	341	THEFT-GRA...	0344 1822 2...	31	M	H	404
11	211014725	11/18/2021 0:...	12/28/2020 0:...	1	10	West Valley	1045	2	354	THEFT OF ID...	1822 0930 0...	46	F	W	501
12	200100546	1/15/2020 0:00	1/15/2020 0:00	700	1	Central	166	1	230	ASSAULT WI...	0416 0913 2...	62	M	A	502
13	200815333	10/15/2020 0:...	10/15/2020 0:...	2000	8	West LA	814	2	624	BATTERY - SI...	0417 0344 1...	50	F	W	501
14	200100559	1/23/2020 0:00	1/23/2020 0:00	600	1	Central	111	1	310	BURGLARY	1402 1822 1...	51	M	W	503
15	201111990	7/29/2020 0:00	7/29/2020 0:00	2020	11	Northeast	1124	2	626	INTIMATE PA...	2000 0913 1...	33	F	H	502
16	200100568	1/27/2020 0:00	1/27/2020 0:00	1500	1	Central	166	2	930	CRIMINAL TH...	1402 0910 0...	69	M	B	801
17	200100572	1/28/2020 0:00	1/28/2020 0:00	2100	1	Central	181	2	740	VANDALISM -...	0329 1300 1...	0	X	X	101
18	200810920	6/20/2020 0:00	6/20/2020 0:00	1000	8	West LA	841	2	624	BATTERY - SI...	1202 0448	78	F	W	510
19	200100574	1/30/2020 0:00	1/29/2020 0:00	1930	1	Central	162	1	442	SHOPLIFTIN...	0344 1414	0	M	W	404
20	200100576	1/30/2020 0:00	1/30/2020 0:00	55	1	Central	195	1	330	BURGLARY F...	0344 1605 1...	24	M	H	101
21	200100578	1/31/2020 0:00	1/30/2020 0:00	2040	1	Central	163	1	230	ASSAULT WI...	0947 0913 0...	52	M	H	401
22	200100583	2/4/2020 0:00	2/4/2020 0:00	920	1	Central	146	1	230	ASSAULT WI...	0416 2004 1...	38	F	H	203
23	200100584	2/4/2020 0:00	2/4/2020 0:00	1645	1	Central	162	1	442	SHOPLIFTIN...	0344 1402	55	M	W	404
24	221412410	6/15/2022 0:00	11/12/2020 0:...	1700	14	Pacific	1444	1	420	THEFT FROM...	329	0	M	H	101
25	200100587	2/6/2020 0:00	2/6/2020 0:00	1135	1	Central	163	2	740	VANDALISM -...	1310 1307 0...	66	F	A	122

Data Modeling:

Attributes	Vict Sex = F	Vict Sex = M	AREA	Rpt Dist...	Vict Age	Weapo...
Vict Sex = F	1	-0.830	0.174	0.164	0.183	0.187
Vict Sex = M	-0.830	1	-0.225	-0.218	0.035	-0.220
AREA	0.174	-0.225	1	0.998	-0.062	0.128
Rpt Dist No	0.164	-0.218	0.998	1	-0.062	0.132
Vict Age	0.183	0.035	-0.062	-0.062	1	0.071
Weapon Used Cd	0.187	-0.220	0.128	0.132	0.071	1