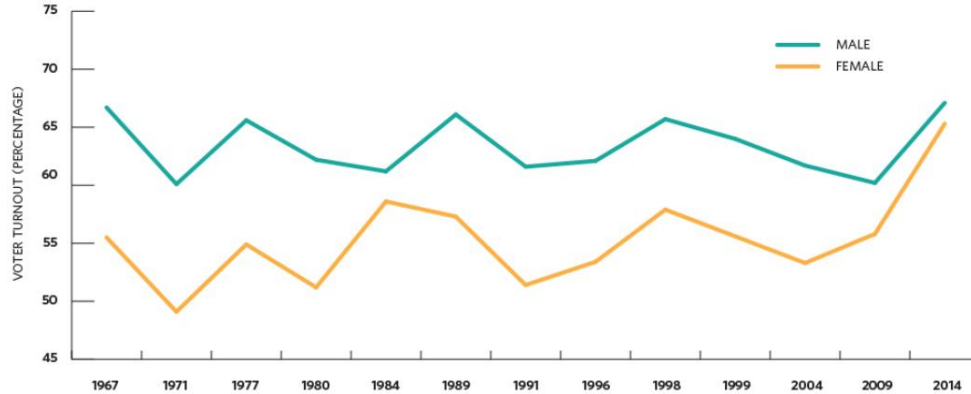# ECONOMIC AND DEMOGRAPHIC VARIATIONS WITHIN A SINGLE CONSTITUENCY
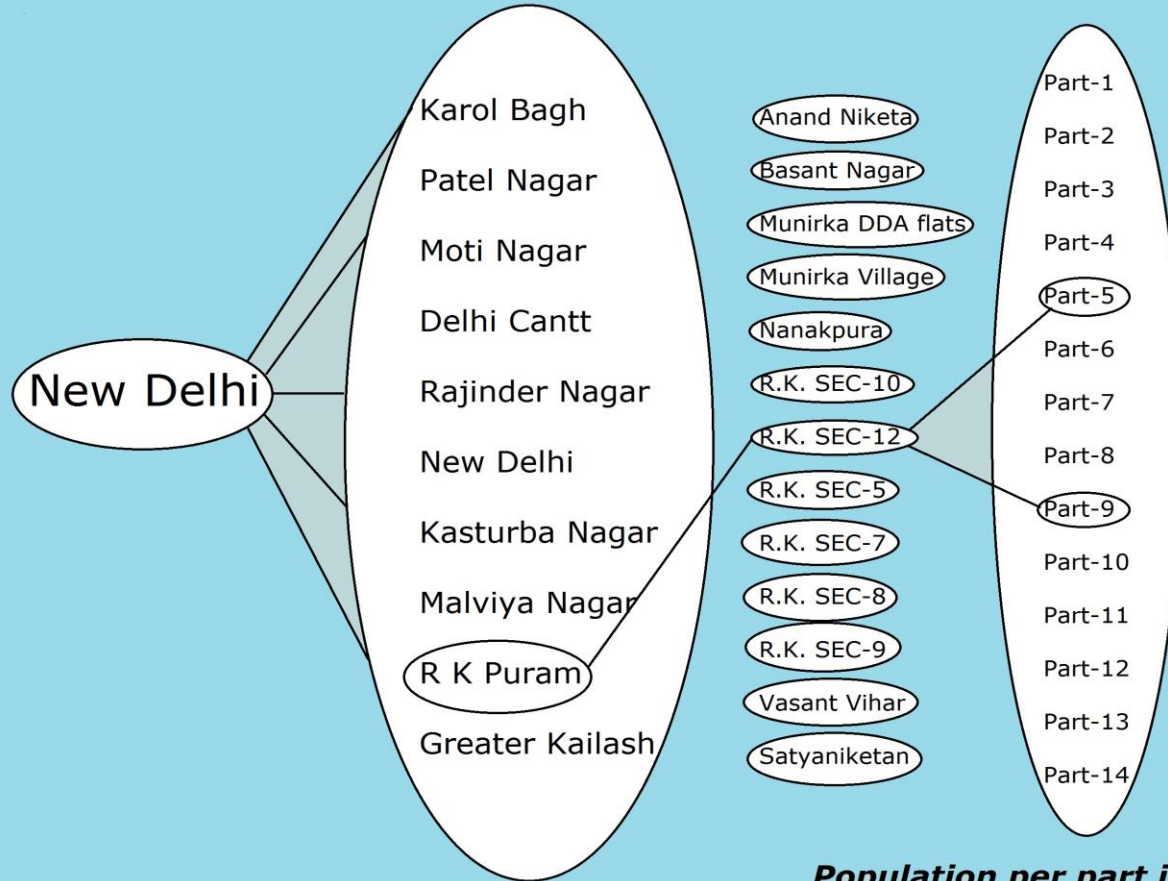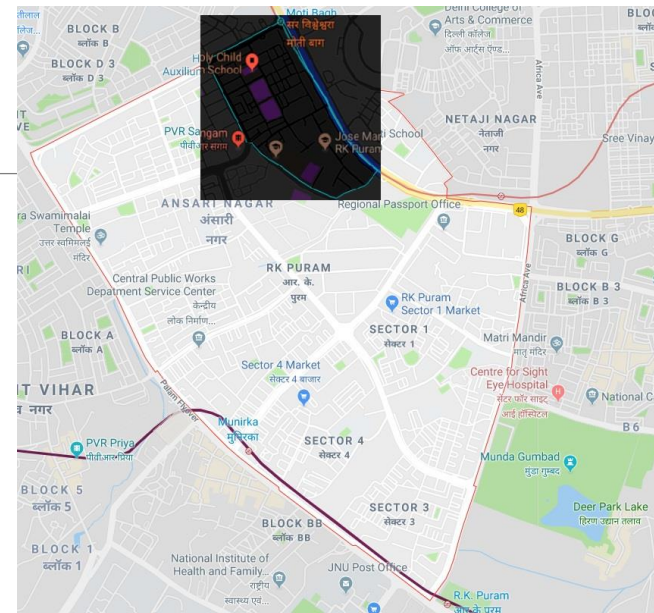
Objectives of investigation:
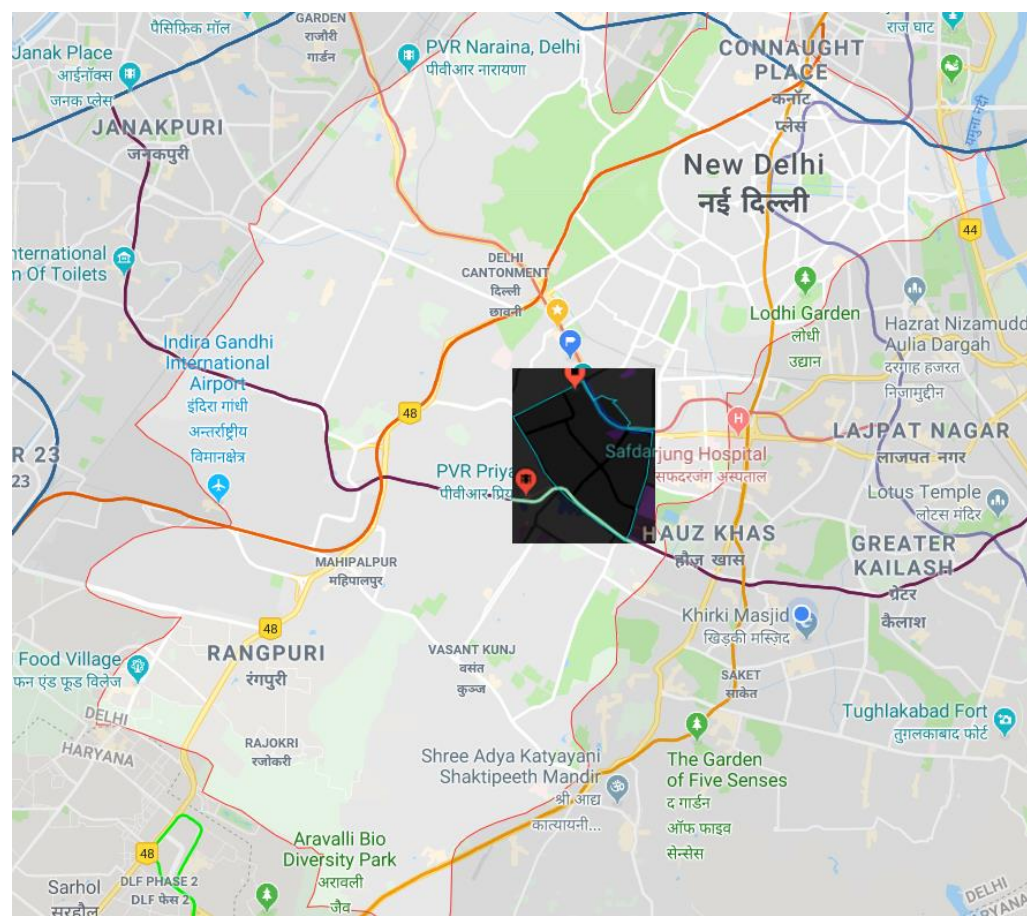

- ❖ We saw a dramatic increase in female voter turnout in 2014 Lok Sabha election
- ❖ We explored the significance of female votes.

- ❖ Percentage variation in gender ratio, young female voters and their correlation with the affluence of an area
- ❖ Variation in affluence within one constituency
- ❖ We noted variations between smallest possible population groups. i.e. at block level
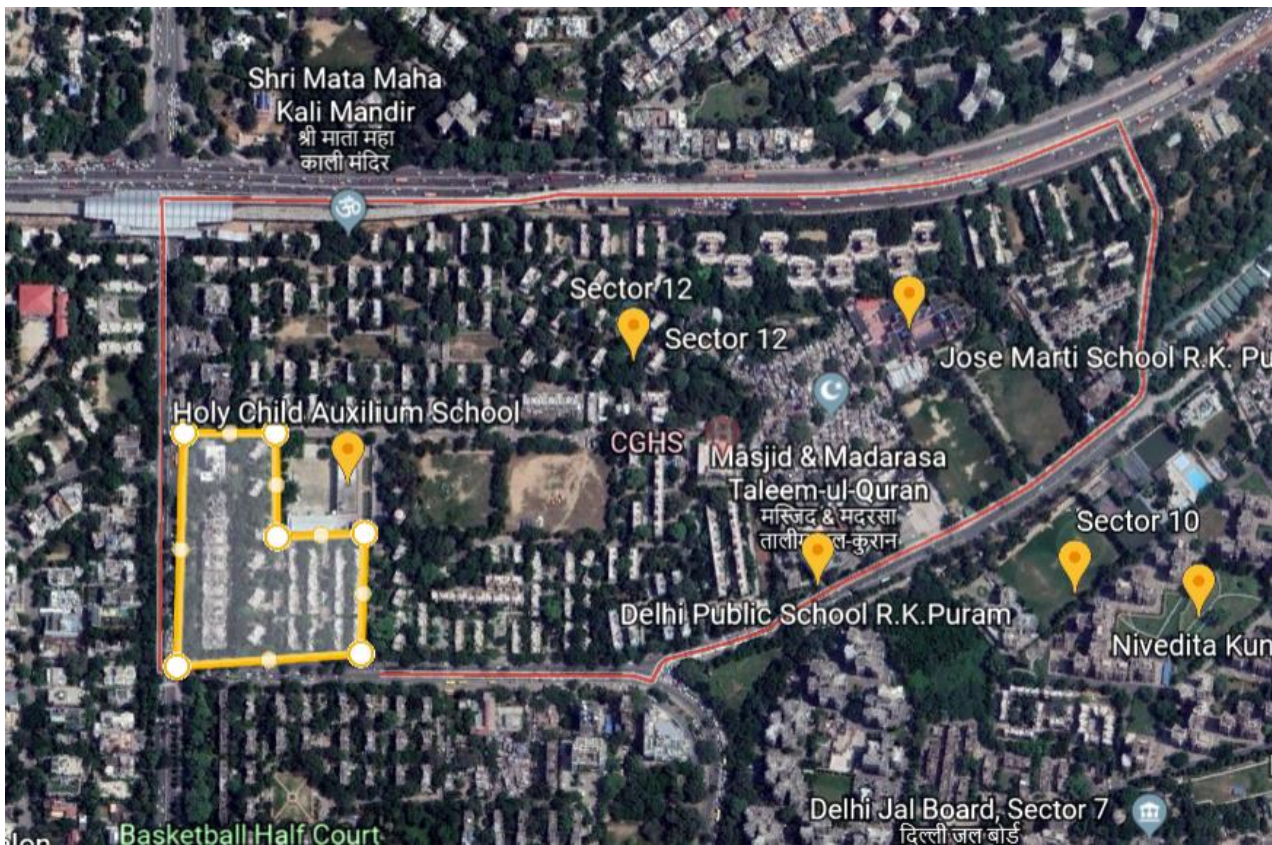
New Delhi

- Karol Bagh
- Patel Nagar
- Moti Nagar
- Delhi Cantt
- Rajinder Nagar
- New Delhi
- Kasturba Nagar
- Malviya Nagar
- R K Puram
- Greater Kailash

Anand Niketa
Basant Nagar
Munirka DDA flats
Munirka Village
Nanakpura
R.K. SEC-10
R.K. SEC-12
R.K. SEC-5
R.K. SEC-7
R.K. SEC-8
R.K. SEC-9
Vasant Vihar
Satyaniketan

Part-1
Part-2
Part-3
Part-4
Part-5
Part-6
Part-7
Part-8
Part-9
Part-10
Part-11
Part-12
Part-13
Part-14

Population per part is approx 1200

RK PURAM

RK sec-12

Section No and Name : 1-SATYA NIKETAN, MOTI BAGH (1 TO SHOP NO-1)

Image to excel
Voter data
↓

1		NLN2103082		2		NLN(
Name : SIDHARI				Name : RAM BADAN		
Father's Name : JAMUNA PRASAD				Father's Name : SIDHARI		
House Number : 1		Photo is Available		House Number : 1		
Age : 84 Sex : MALE				Age : 60 Sex : MALE		

4	DL/02/011/198143	5	NLN(
Name : NIRMLA		Name : RAJENDER KUMAR	
Husband's Name : RAM CHARAN		Father's Name : RAM BADAN	
House Number : 1	Photo is Available	House Number : 1	
Age : 51 Sex : FEMALE		Age : 36 Sex : MALE	

	A	B	C	D	E
1	name	gaurdian	g_relation	age	gen
2	Sidhani	Jamuna Prasad	F	84	M
3	Ram Badan	Sidhari	F	60	M
4	Ram Charan	Sidhari	F	56	M
5	Nirmala	Ram Charan	H	51	F
6	Rajender Kumar	Ram Badan	F	36	M
7					

DATA EXTRACTION

Features and analysis
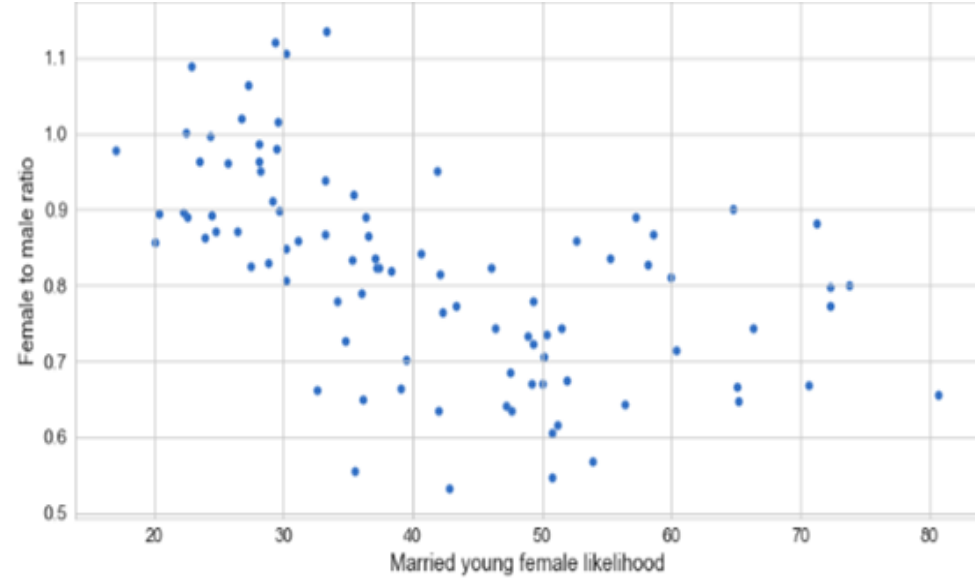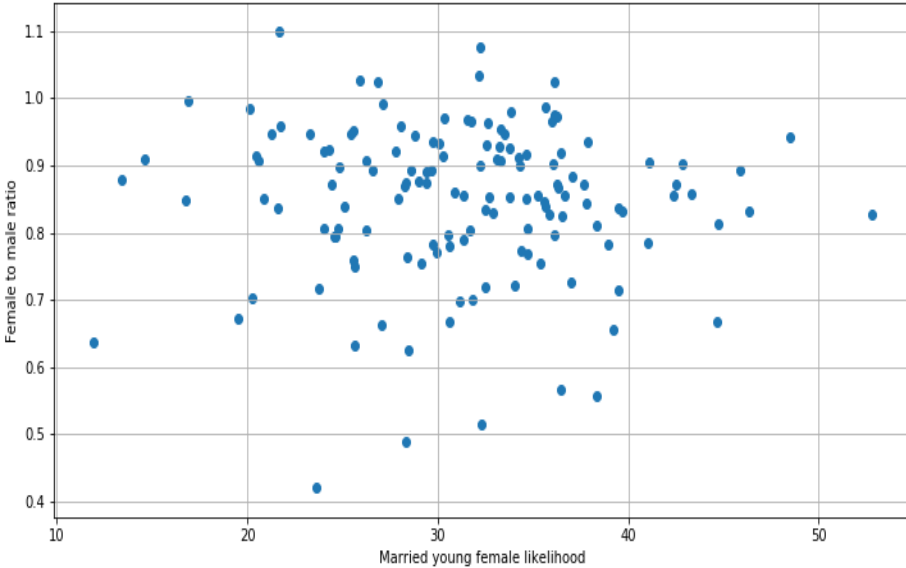
Coffee, salon, property rates and centroid distance

A	B	C	D	E	F	G	H	I
	Locality	partno1	Male	Female	Coffee.sho	Salon	buy.per.sq	m_dist5
9	Munirka D	156	394	400	4	2	12000	0.28
12	Munirka D	152	428	437	4	2	12000	0.28
18	Munirka D	155	481	482	4	2	12000	0.28
42	Munirka D	153	415	459	4	2	12000	0.28
66	Munirka D	154	471	528	4	2	12000	0.28
1	Munirka Vi	146	554	401	4	2	5598	0.6
19	Munirka Vi	151	757	501	4	2	5598	0.6

Variance between a constituency and its sub parts

❖ Karol Bagh has gender ratio(Female to Male) of 0.83 whereas it varies in the Range(0.4 to 1.09) for its subparts

❖ The likelihood of a female voter being young is 35% in Karol Bagh whereas it lies in the range(23% to 51.6%) for its subparts

❖ Rk Puram has gender ratio(Female to Male) of 0.7 where as it varies in the Range(0.51 to 1.2) for its subparts.

❖ The likelihood of a female voter being young is 40.4% in Rk Puram whereas it lies in the range(21% to 60%) for its subparts.
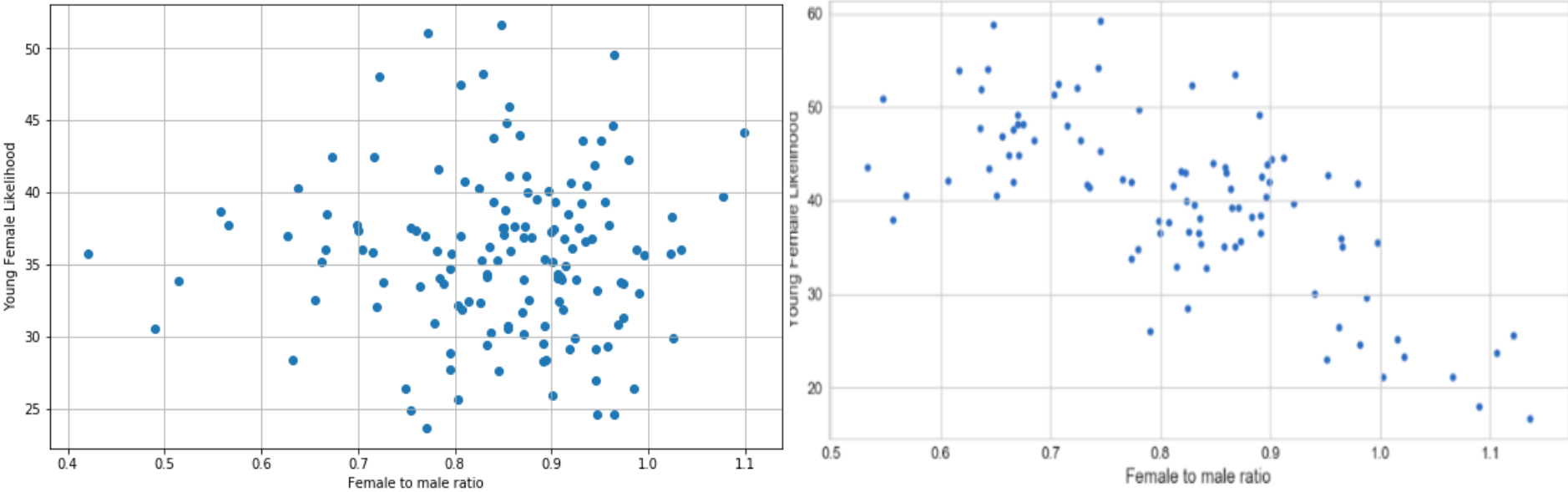
Comparision:

Areas with married young female likelihood have high Female to Male ratio.

Comparison:

Our cluster lies between 25-35 group while R.K. Puram cluster is from 20-50 group

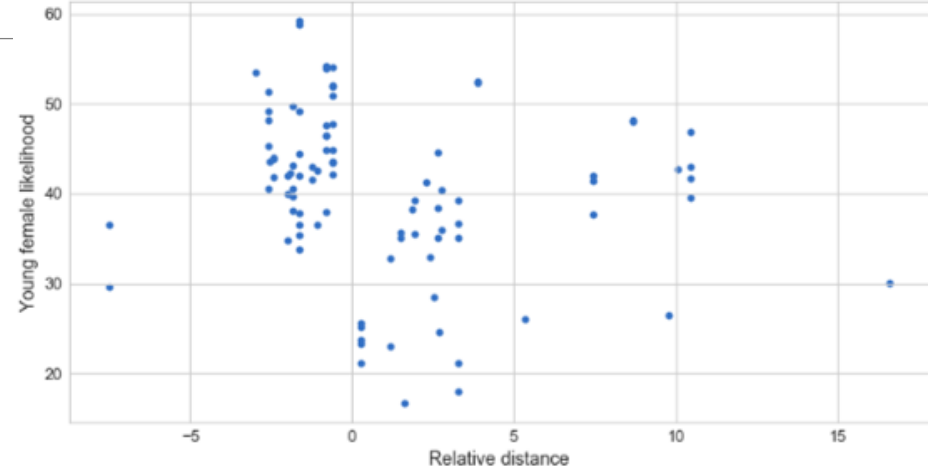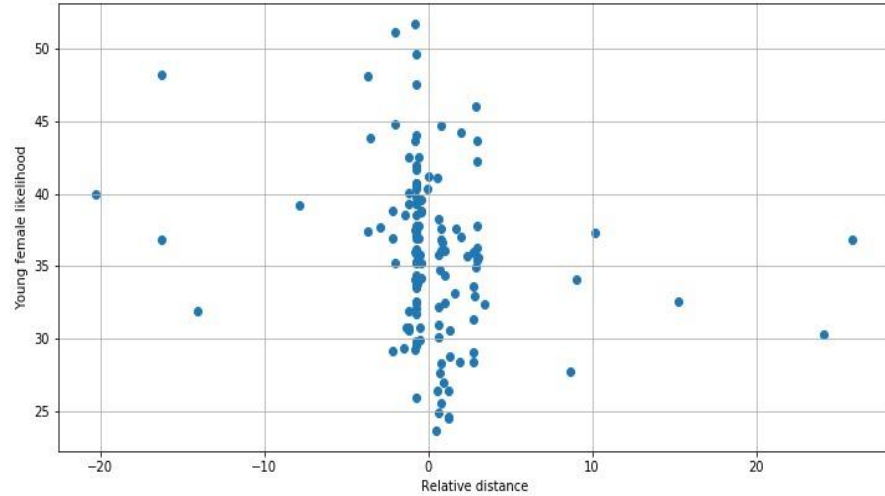# Comparision : young female V/S female to male gender ratio

Many Areas with high Female to Male ratio has higher Young Female likelihood %

Comparison:

     Our cluster lies between 0.8-1.0 ratio when compared to R.K. Puram which has 0.6-0.7 and 0.8-0.9

Comparision within two constituencies: Young women likelihood vs relative distance

- Young women likelihood % seemed to be near centroid.
- Comparison:
    - Karolbagh and R.K. Puram majority points lies between -5 to 5.

FUTURE PROSPECTS

- Efficiency of analysis can be increased by surveys

- We may derive future health, education and family policies keeping in view of our analysis done,

ACKNOWLEDGEMENT

This project has been successfully completed under the mentorship of:

- ❖ *Mr. Akhilesh Ajith Kumar*
- ❖ *Mr. Suyash Gulati*

We are a team of 16 members:

Abdul Ahad, Ankit Metwal, Ashish Kumar Rout, Harsimran Singh, Neel Kamal, Sajid Ali, Trishul Chauhan, Vatsal Bharti, Vineet Vijayan, Yash Sharma, Ankur Varshney, Narottam, Shaurya Mehra, Gopal, Saurabh,Paras jain,Sumit