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Dataset : U.S Population 1900 vs 2000

Demographic → US
year → 1900
year → 2000

→ Reported sex
→ age group
(Binned into 5 year segment (0-4) year old up to 90+ yr old)
→ total count of people/group

each year

1900 → Male 19 Female 19 { For age total count.

2000 → 38 38 } → 76 } datapoints

(Data is rounded nearest to 50,000)

Q) What happens b/w age "10-40" for two years a century apart.

(If possible why drop in ~~possible~~ datapoint?)

→ thought behind above questions is that by seeing the dataset its clearly visible ~~that~~ there is a drop in data.

Now point is how to visualize
or whats the Best way to visualize

Brainstorming

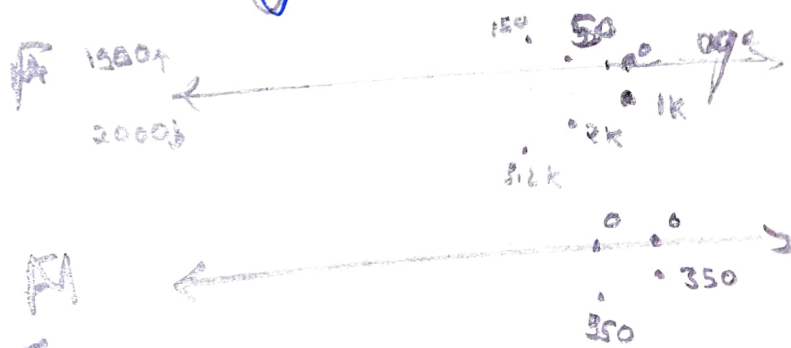
Do I need ~~send~~ data?

or can it be merged?

or
can I make them separately.

Prob ↑

→ can it be plotted or not
Proto ↑

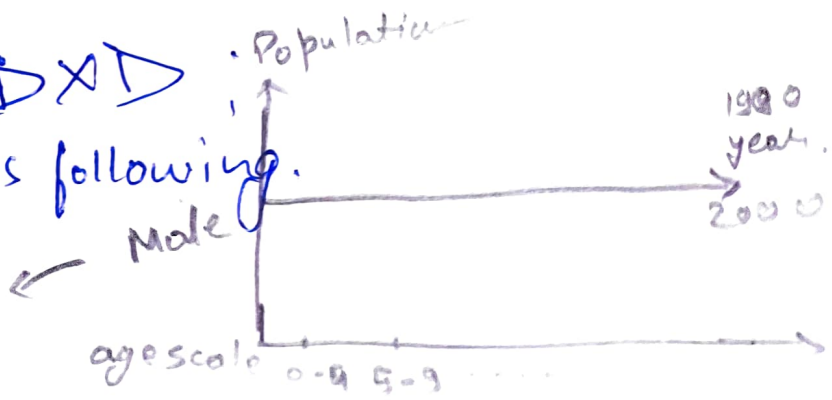


→ I found Problem with above while plotting
I was not use Scale. As it was not

Present ~~XXXX~~ Population

what i can do is following.

similarly for Female.
on the left.



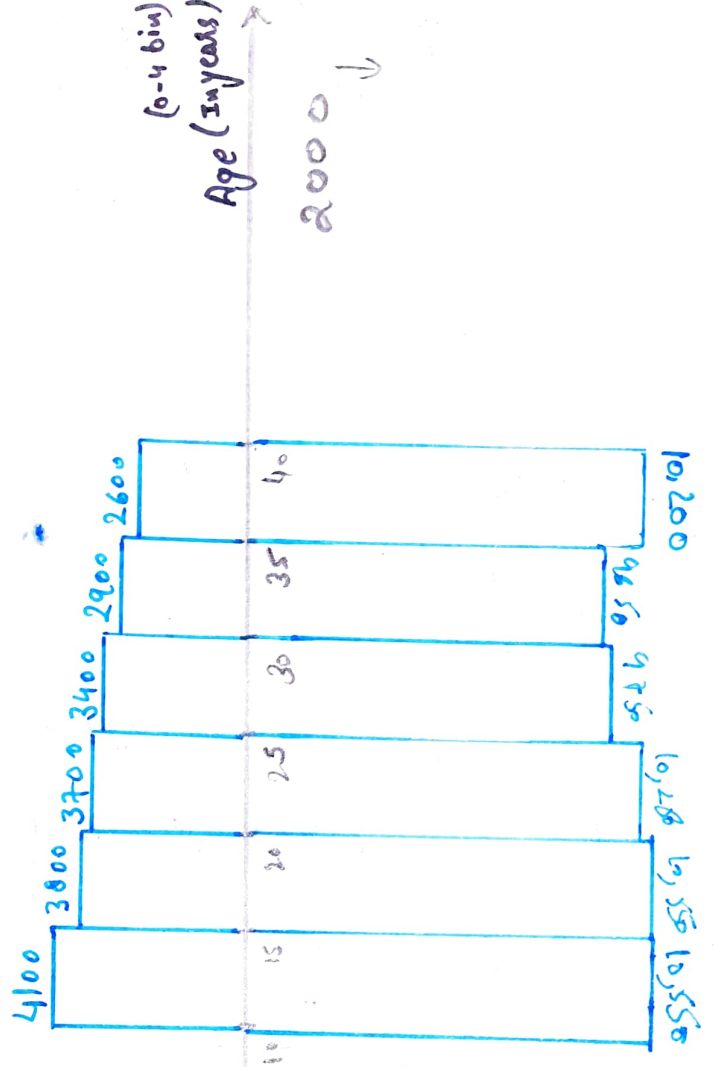
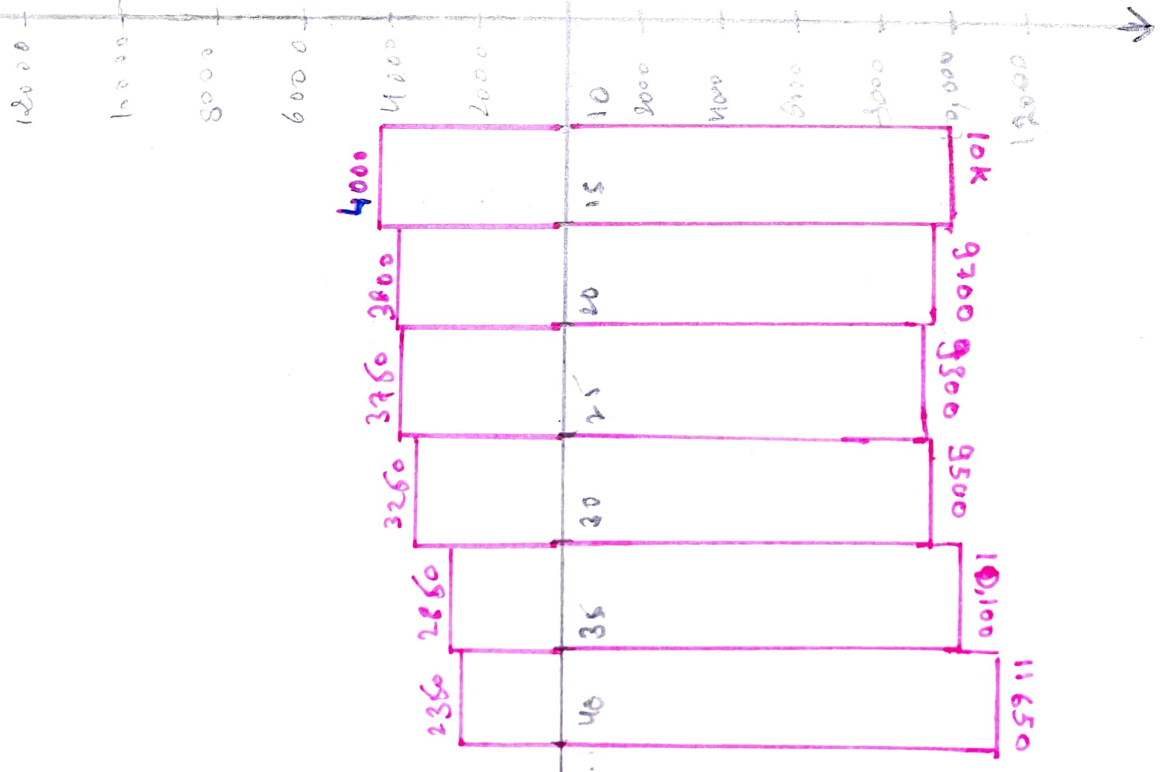
← Female

(Scaled on 2k)

Population (In thousand, rounded to 50k)

Male →

1900 ↑

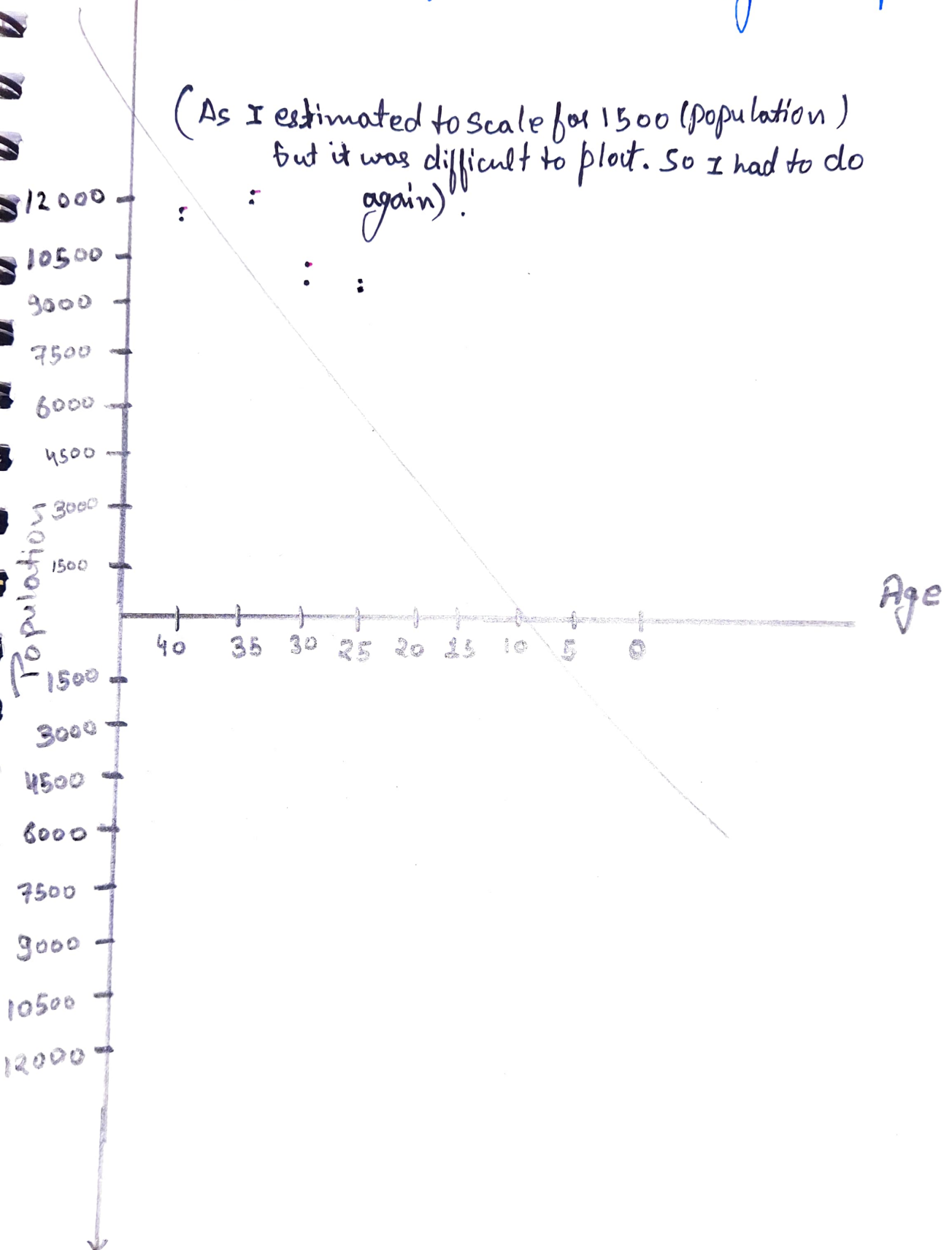


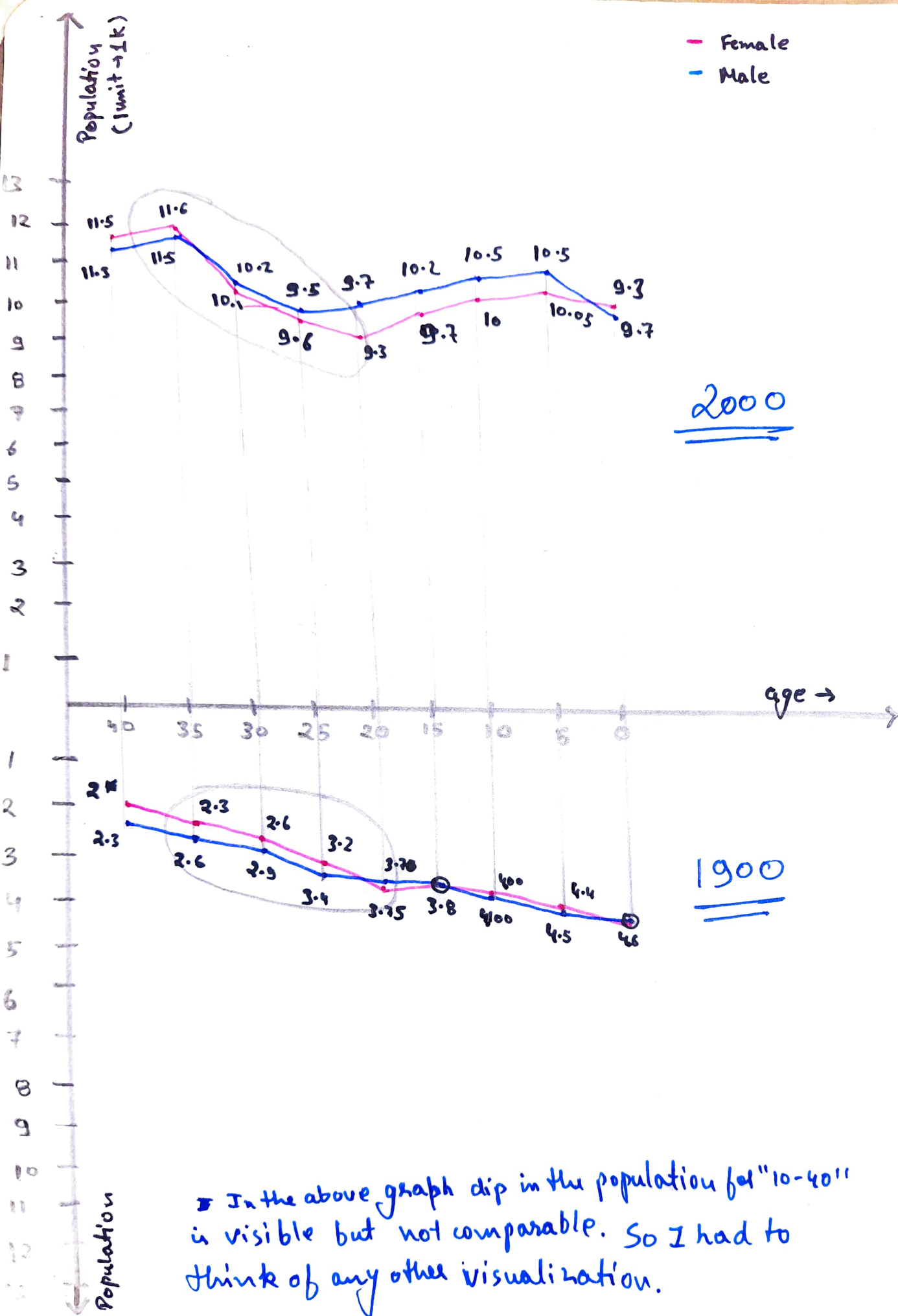
Age (years)

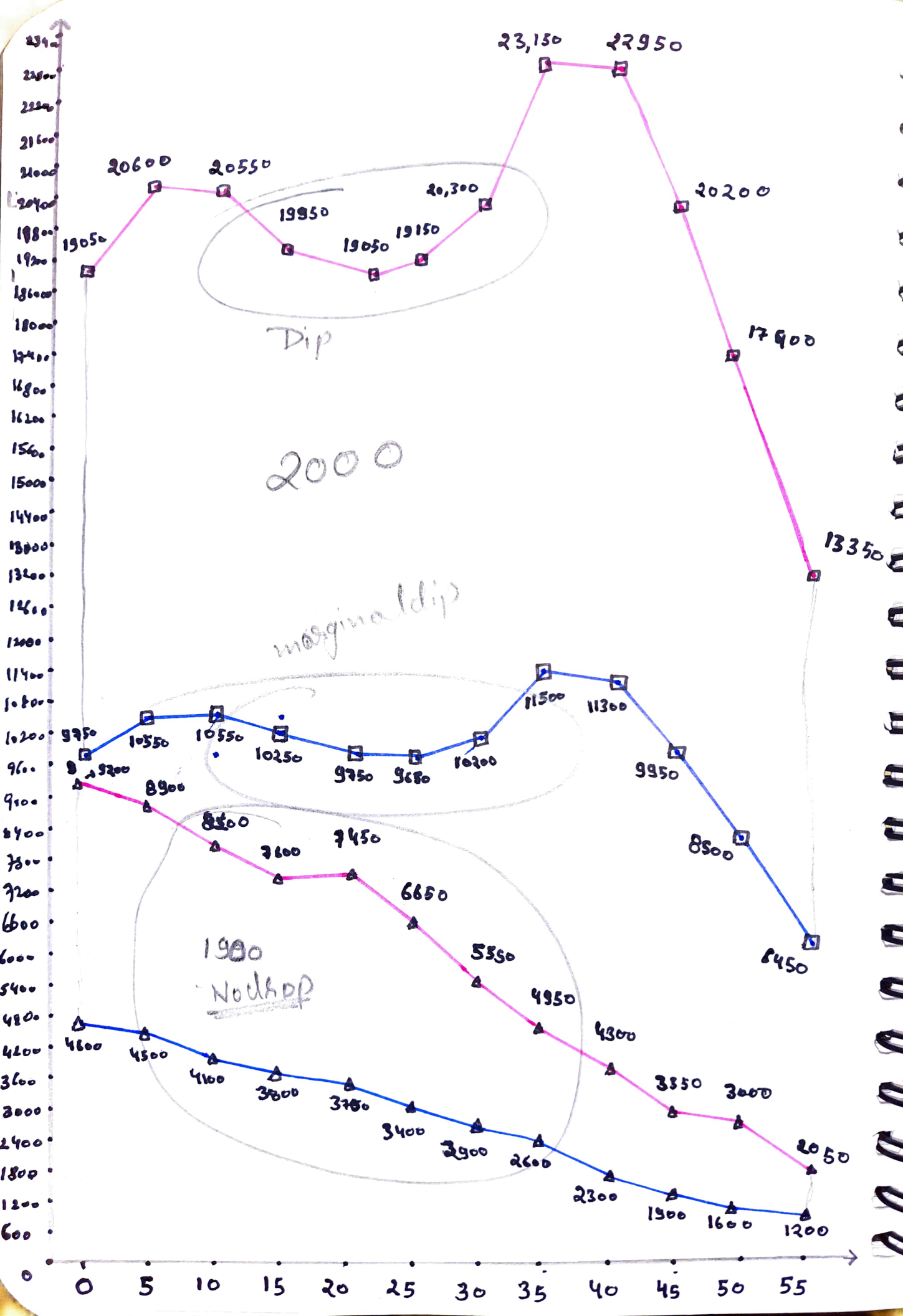
2000 ↓

With the above graph I thought we could find reasonably
ing insights about the data for age group "10-40".
But it is not the case. So let's work on scattering the
Data points in II quadrants so it's easy to compare.

(As I estimated to scale for 1500 (population)
but it was difficult to plot. So I had to do
again).







With above visualization is easy to compare for both year and we can easily see drop in the Population for male and female for age group "10-40". and its less prominent in male but more in female.

Reason could be → In year "1960" first ~~con~~ contraceptive methods were invented. and abortion too. So this could be the reason for above graph.