

CHAPTER - III  
=====

---

GROWTH OF FUNCTIONS AND SERVICES

---

.....

1. The Analysis of Functional and  
Population Growth of Kolhapur  
City
2. Growth of Functions in the City
3. Growth of Small Scale Industries  
and Workshops

=====

When city grows in its population size it also grows in respect of functions and services. Its functions and services do not increase in correspondence with the growth of population, hence several problems are created.

In order to understand the relationship between the growth of important functions and population of Kolhapur city the data of various functions and services has been collected. The data has been collected from municipal corporation records, shop inspector offices and census handbook.

In order to find out the relationship between the growth of functions and growth of population the data for the last three decades (from 1951 to 1981) has been studied and 'r' values have been calculated for various functions (The list of selected function is given in Table 3.1 and 'r' values are given in Table 3.2). The scattered graphs showing relationship between the population growth and growth of individual functions has been depicted in Fig.3.1-A and B).

1. THE ANALYSIS OF FUNCTIONAL AND POPULATION  
GROWTH OF THE KOLHAPUR CITY

The analysis of relationship between the various functional growth and population growth indicates that most of the important functions show very high positive relationship. Only a few functions such as growth of oil ghanas, weavers and dyeing and printing show negative relationship to the population growth. It is observed that a number of oil ghanas have been reduced considerably since

TABLE 3.1 : Growth of shops in Kolhapur city (1951-1981).

Sr.No.	Name of the industry	1951	1961	1971	1981
1	Bakeries	35	70	80	95
2	Oil Ghanas	32	15	19	22
3	Weavers cotton & Wool	95	57	52	50
4	Dyers and printers	9	6	5	4
5	Printing press	27	56	75	80
6	Manufacture of shoes and other footwear	61	118	160	200
7	Brass & copper smith	27	58	59	62
8	Repairing & servicing of motor vehicles	23	87	90	100

TABLE 3.2 : Correlation between population and functions.

Sr.No.	Name of the industries	'r' values
1	Fuel wood depot	0.98
2	Hair cutting saloon	0.96
3	Laundry	0.96
4	Flour mill	0.97
5	Hardware	0.97
6	Foot-wear	0.88
7	Pan-shops	0.98
8	Lodging & boarding	0.90
9	Gold and silver smithy	0.98
10	Hotel	0.96
11	Medical shops	0.95
12	Cloth shops	0.96
13	Milk dairy	0.97
14	Kirana grocery	0.96

1951. However the growth of oil mills is considerably high and it has replaced the oil ghanas. Other two functions indicate decrease in the last two decades.

It is observed that most of the important functions are growing with the increasing population size and in respect of important functions and services the population of Kolhapur city is better served.

#### GROWTH OF FUNCTIONS IN THE CITY

Normally it is observed that various functions and services available in the city are related to its population and these services and functions grow with the population size of city.

In the present study, the growth of several functions has been studied in which development of small industries and workshops like bakeries, handlooms, printing press, shoes manufacturing, brass and copper smithy and motor vehicles and other repair workshops has been considered. Further growth and development of various types of shops have been also considered. Fig.3.1-A and B show the growth of workshops and industries and shops in the Kolhapur city after independence.

#### GROWTH OF SMALL SCALE INDUSTRIES AND WORKSHOPS

Since 1951 if the growth in the number of bakeries is observed we come to know that more bakeries have developed between the year 1951 and 1961. In 1951 there were 35 oil ghanas in Kolhapur city. However, with the growth of the city these oil

RELATIONSHIP OF FUNCTIONAL & POPULATION GROWTH

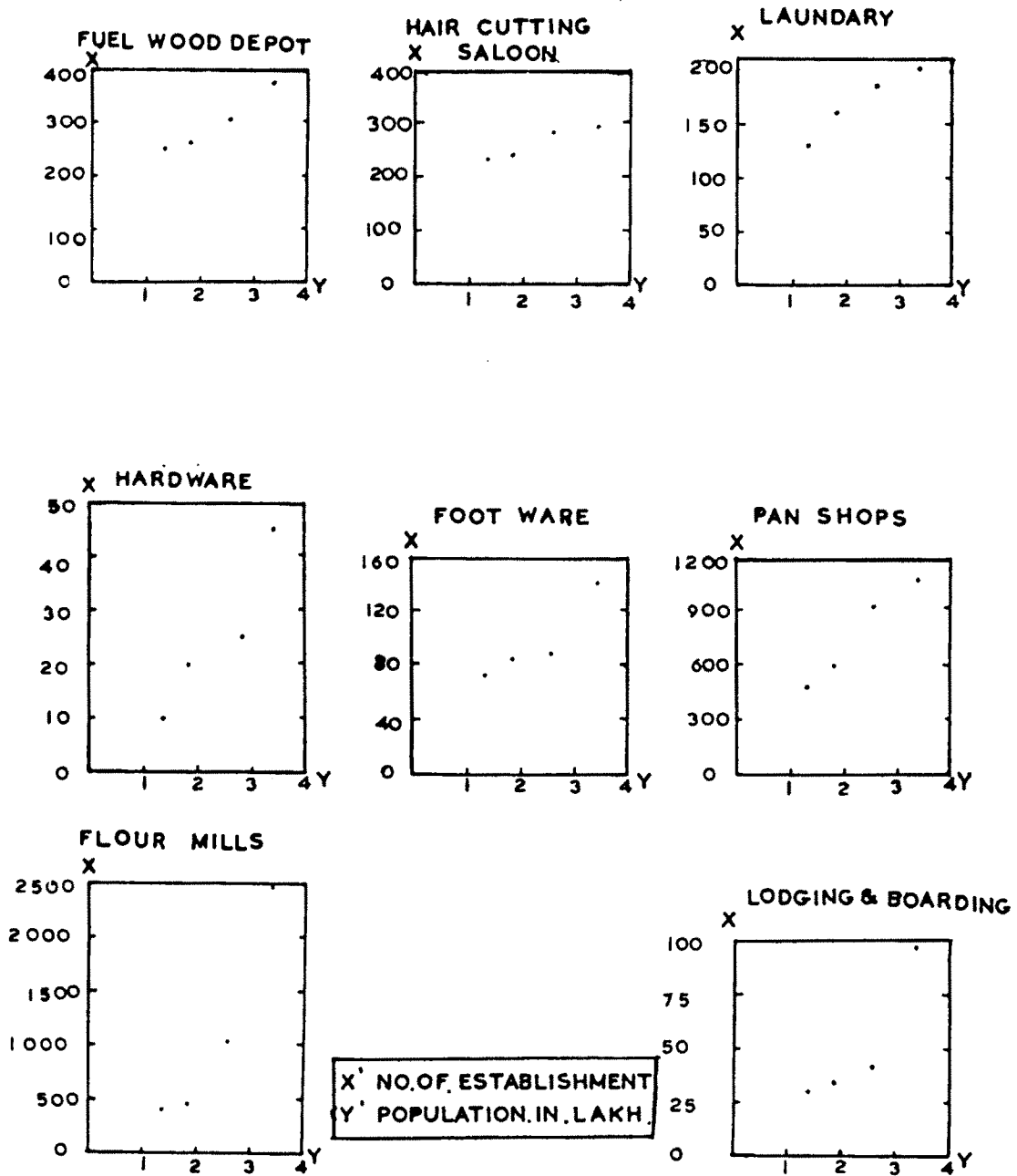


FIG. NO. 3-I.A.

**RELATIONSHIP OF FUNCTIONAL & POPULATION GROWTH**

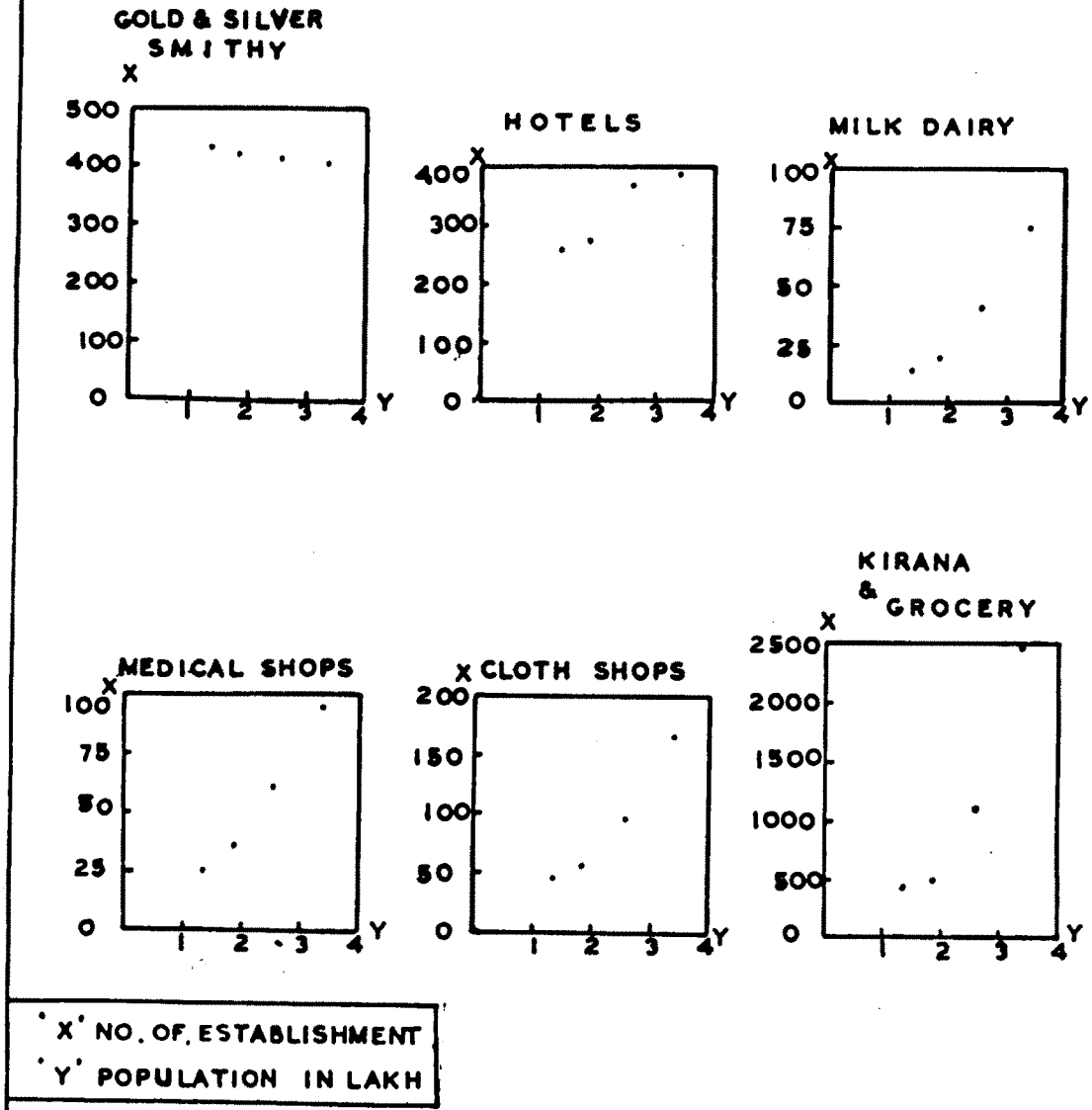


FIG.NO. 3-1 B .

ghanas have reduced in number and their place has been taken by oil expellers and oil mills. There are today eight oil mills in the city. While in 1951 they were only two. In the same way handloom weavers have decreased in their number, during the last 30 years. In 1951 they were 95 in number and in 1980 they reduced to only 50. There were 27 printing presses in Kolhapur city. Today there are more than 80 printing presses, some of them employing more than 50 workers. Kolhapur is famous for foot-wears. In 1951 there were 61 foot-wear small scale industries in the city. Today more than 200 small scale industries are busy in manufacturing foot-wears and exporting them to different countries of the world. While 27 small workshops and industries were working in brass and copper smithy in 1951, today more than 70 such small workshops and industries are found in Kolhapur city. Similarly, in 1951 there were only 23 small repairing workshops in the city and today their number is more than hundred. This analysis indicates that with the growth of population there is a positive growth of important small scale industries in the study area. The 'r' values of population and number of functions have been calculated and shown in Table 3.2 matrix.

Further, an attempt has been made to study the growth in a number of various shops and population of the city. 'r' values calculated for a number of shops and population of city. Table 3.2 show significant positive relationship.

In Kolhapur city there were 268 fuel wood and coal depots in 1951. The number has gradually increased and at present there

are 374 depots in the city. In the same way, hair cutting saloons, foundries, flour mills, hardware shops, footwear shops, pan-shops, lodgings, hotels and milk dairies indicate growth in number and show positive relationship with the growth of population. There is only one function, namely gold and silver smithy, which indicates decrease in number of shops from 1951 to 1981. Fig.3.1-A and 3.1-B indicate relationship of population and various functions in Kolhapur city.