

山东省统计局编制

SHANDONG STATISTICAL BUREAU

山东省 人口经济地图集

ATLAS OF POPULATION AND
ECONOMY OF SHANDONG PROVINCE
CARTOGRAPHIC PUBLISHING HOUSE
OF SHANDONG PROVINCE
山东省地图出版社

山东省 人口经济地图集

山东省统计局编制
**Atlas of Population and
Economy of Shandong Province**
by Shandong Statistical Bureau

山东省地图出版社
Cartographic Publishing House of Shandong Province

鲁新登字 11 号

山东省人口经济地图集

山东省统计局编制

*

山东省地图出版社出版 发行

(济南市文化东路东首路北 电话 8937369)

(西安煤航地图制印公司制版印刷)

*

850×1168 毫米 1:16K 印张 18

1994 年 9 月第 1 版 1994 年 9 月第 1 次印刷

印数 1 1000 定价 460 元

ISBN7-80532-170-11K·162

版权所有 侵权必究

序 言

山东既是一个经济大省,也是人口大省。改革开放以来,在党中央、国务院的领导下,以邓小平同志建设有中国特色社会主义理论为指导,无论是在经济建设还是人口控制方面都取得了很大的成就,经济环境和人口状况发生了深刻变化。在加快建立社会主义市场经济体制和进一步扩大对外开放的新形势下,研究山东人口与经济活动环境,探讨人口与经济协调发展的途径,是一个十分重大的社会课题。

《山东省人口经济地图集》,是山东历史上第一部反映人口、社会、经济状况的大型专题性资料图集。这部图集利用大量翔实的人口与社会经济统计资料,采用丰富的地图语言,从时间和空间的结合上,立体、直观地描述了山东人口与经济发展变化过程,科学地表现了山东的经济环境、人口状况及人口与经济的关系,是一部全面反映省情、市情、县情的珍贵资料,具有很强的实用性和可交流性。这部图集的出版发行,对于总揽全局,把握趋势,宣传山东的投资环境,促进对外开放,推动国民经济持续、快速、健康发展,具有重要意义。

从现在到下个世纪前十年,是山东社会主义现代化建设的重要时期。省委、省政府立足山东实际,综合分析了国内外形势及发展趋势,提出了到2010年在经济总量上达到亚洲中等发达国家当时水平、基本实现现代化的战略目标。调动一切积极因素,为实现这个目标而奋斗,是全省各级各方面面临的光荣而艰巨的任务。在走向新世纪的伟大进程中,希望社会各界和海内外朋友,都来关心、支持山东的改革开放和现代化建设。我深信,只要我们坚定不移地贯彻执行邓小平同志建设有中国特色社会主义理论和党的基本路线,具有良好基础条件和8600多万勤劳智慧人民的山东省,在新的机遇与挑战面前,一定会有新的更大的作为,一定会以富裕、繁荣、文明的崭新形象出现在全世界面前,为振兴中华作出应有的贡献。

山东省省长



1994年6月30日

Preface

Shandong Province is well-known for its flourishing economy and large population. Since the reform and opening to the outside world, under the leadership of the Party Central Committee of CPC and State Council as well as under the guidance of Comrade Deng Xiaoping's theory on building socialism with Chinese characteristics, it has made great achievements both in developing economy and controlling the growth of population, and has brought about some remarkable changes in economic environment and population status. Under the new circumstances of speeding up establishing the system of socialist market economy and further carrying out opening to the outside world, it is imperative to make a study on the population status and economic activities and to find out a proper way of developing economy and population coordinately in the province.

"The Atlas of Population and Economy of Shandong Province" is the first large-sized atlas dealing with the population, society and economy of the province which, through the large amount of authentic data of population and socio-economic statistics, using the vivid map language and by means of integrating time and space, visually and directly describes the change and development of population and economy in Shandong Province, and scientifically presents the economic environment, population status and the relations of population with economy. It is also a valuable book all-sidedly mirroring the whole province, a book characteristic of practicality and worthy of exchange. The publication of this atlas is of great importance to the understanding of the general situation of the province, the grasp of available opportunities, and making the investment environment public to the outside world in order to further carry out the open policy and develop economy in a steady, fast and healthy way.

The time from now on to the first decade of the next century is a very important period for Shandong Province to modernize its socialist construction. Based on the practical conditions of the province and a comprehensive analysis of the economic situation and tendency of development at home and abroad, the Party Committee and Government of Shandong Province have set the goal to reach the level of medium-developed Asian countries in terms of general output value of economy, and to make the strategy of modernization basically realized by the year 2010. It is a glorious and arduous task for the departments and governments at all levels to carry out this goal by means of bringing every positive factor into full play. It is our hope that, in the advance of entering the new century, all the social organizations, friends in China and abroad would show their concern and support for the reform and open policy and for the modernization programme of Shandong Province.

We are in full confidence that so long as we persist in carrying out the principle of building socialism with Chinese characteristics put forward by Comrade Deng Xiaoping and follow the basic line of the Party, the province, with over 86 million diligent and intelligent people, will certainly accomplish a great deal in the face of challenge and opportunity. A civil, prosperous and powerful image of the province will appear in the world, which will no doubt make its due contributions to China's rejuvenation.

Zhao Zihao
Governor of Shandong Province
June 30, 1994

把握省情 科学决策

促进人口与经济协调发展

李振 一九九四年

十二月

深化改革 开放搞活

兴办经济服务

李春亭

一九九三年八月

立足山東實際
加速經濟騰飛

陸懋曾
十一月
一九九四年

编委会成员

主任委员	张义国			
副主任委员	周文昌	翟焕波	陈龙飞	赵以政
	栾炳焕			
委员	程道平	马建奎	宋志申	刘绍辉
	胡宗明	刘同星		

编辑部成员

顾问	吴玉麟	王文赞		
主编	周文昌	翟焕波		
副主编	程道平	马建奎	宋志申	胡宗明
	刘绍辉			
编辑	侯长蓬	李承法	刘同星	杜增新
	王建华	李望		
责任编辑	袁晓莉			
英文翻译	郭东海	谭启华		
制印工艺设计	张东祥	高晓梅		

Editorial Board of the Atlas

Chairman:	Zhang Yiguo
Vice Chairman:	Zhou Wenchang, Zhai Huanbo, Chen Longfei, Zhao Yizheng, Luan Binghuan
Members:	Cheng Daoping, Ma Jiankui, Song Zhishen, Liu Shaohui, Hu Zongmin, Liu Tongxing

Editorial Department of the Atlas

Consultants:	Wu Yulin, Wang wenzan
Editor-in-Chief:	Zhou Wenchang, Zhai Huanbo
Vice Chief Editor:	Cheng Daoping, Ma Jiankui, Song Zhishen, Hu Zongming, Liu Shaohui
Editors:	Hou Changpeng, Li Chengfa, Liu Tongxing, Du Zengxin, Wang Jianhua, Li Wang
Editor-in-Charge:	Yuan Xiaoli
Translators:	Guo donghai, Tan Qihua
Reproduction Process Designer:	Zhang Dongxiang, Gao Xiaomei

编辑说明

《山东省人口经济地图集》是一部全面反映山东人口特征及其社会经济发展协调状况和投资环境概况的专题地图集。它以直观、形象的表现方式,有效地开发利用了人口普查资料和社会经济统计资料,旨在为了解山东、制定投资决策与发展规划、研究山东社会经济持续发展战略、促进山东人口研究和促进对外开放服务。

内容构成:图集共设 12 个图组和 1 个附录组,各图组一般以地图(或图表)为主,配以部分文字说明和分析,以便读者更有效地读取信息。第一图组通过 18 幅地图介绍了人口活动和经济发展的自然环境、社会环境和投资环境,第二图组运用 13 幅地图介绍了人口与社会经济发展的协调状况和当前的重点工程,第三图组的 12 幅地图表现了全省各地的人口分布和不同经济属性的人口密度状况,第四图组的 16 幅地图及图表反映了各历史时期人口密度的变化、当代人口的自然变动和机械变动,第五图组的 11 幅地图及图表反映了人口的性别比和年龄结构,第六图组的 18 幅地图表现了劳动力资源的分布、构成及利用状况,第七图组的 20 幅地图表现了人才分布、人口文化素质及其发展状况,第八图组介绍了少数民族人口的分布与构成状况,第九图组的 9 幅地图和多个图表介绍了人口的婚姻和家庭状况,第十图组的 11 幅地图反映了妇女的生育状况和计划生育成就,第十一图组用 2 幅地图和 3 幅图表表现了城市人口的基本状况,第十二图组运用众多图表反映了山东未来约 50 年内各类人口的发展变化趋势,附录组通过各种表现形式介绍了人口、经济和环境协调与持续发展概念、中国与世界人口概况、山东省吸引外商投资的优惠政策等内容。整个图集包括 133 幅地图,86 个统计图,75 页文字和数字(中、英文对译),19 页图片。图集的基本比例尺有 1:200 万、1:300 万和 1:420 万三种。

资料来源:①人口数据主要取自 1990 年第四次人口普查,部分取自第一、二、三次人口普查和统计年报。②社会经济数据部分取自 1992、1993 年版山东省统计年鉴,部分取自省直有关业务部门 1992、1993 年度统计资料。为了力求最新现势性,附录 5 列入了各县(市、区)主要人口和经济指标的最新数据;图 1—2 行政区划资料截止至 1994 年 4 月。③历史时期人口密度资料取自《中国人口(山东分册)》(中国财政经济出版社 1989 年版)和《山东人口史》(山东省新闻出版局 1991 年准印)。④附录 1、2、3 中部分图幅参考《人口教育图册》(中国地图出版社 1991 年版)。⑤图幅选题和设色参考《中国人口地图集》(中国统计出版社 1987 年版)、《中国经济地图集》(英国牛津大学出版社 1994 年英文版)等多部大、中型地图集。⑥其它编图资料和文字撰写参考文献涉及诸多方面和个人,恕不一一列举。谨向提供资料的单位和个人以及图书作者致以衷心感谢。

地理底图:①人口地图中三种基本比例尺的地理底图依据 1990 年 7 月版 1:100 万《山东省地图》缩编而成,其中黄河三角洲海岸线依据新版省图作了更新。这样,地图的行政区划与 1990 年中第四次人口普查编码所用的区划一致,便于编图时人口数据的计算机提取和加工。②4 幅 1:100 万耕地人口密度图底图中的乡、镇界依据 1991 年版 1:25 万《山东省地图》缩编,首次在小比例尺图上绘出全省乡、镇界线。③为了增强图集的现势性,环境与经济图幅的地理底图内容一般反映至 1993 年初。

成图过程:图集的编制工作由山东省统计局主持,并成立《山东省人口经济地图集》编辑部,负责组织开展日常业务工作。图集采用计算机数据处理和常规人工编绘相结合,其编制工作自1992年3月开始编辑准备,6月开始计算机数据提取加工,7月下旬至翌年7月底完成编稿,1993年底基本完成清绘,1994年6月完成中、英文文字稿,同年9月下旬完成印刷出版,整个成图过程仅用两年零七个月。为了缩短成图周期,上、下工作阶段之间紧密衔接或交叉进行。

山东大学程道平负责起草编辑大纲、进行地图设计并组织原图编绘等有关技术工作。山东省统计局刘绍辉、侯长蓬、李承法等负责数据收集、提取加工和文字撰写工作,山东省地图出版社李钧、冯秀兰、王绪双等完成出版原图的绘制。以上诸位同志为图集编制工作做出了贡献。

参加编图工作的还有:王玫、李群、杨玉宇、李建华、王敬松、鹿业红、赵霞、牛雪梅、周茂席、范学术、苗思奎、吕广法、王忠山、吴翠霞等。参加清绘校对等有关工作的有:赵海军、杨玉珍、孙靖、赵兰香、袁丽、费世宏、张庆军、倪华桥等。参加英文校对和附录部分英文翻译工作的还有王雅静。

致谢:在图集编制过程中,山东大学地理系、西安煤航地图制印公司、武汉测绘科技大学祝国瑞教授和黄仁涛教授、山东大学王洪芬副教授、山东省计划生育委员会李翰章副主任和刘伟同志、山东省地图出版社孙宝文副总编、宋鹰编辑、山东省城乡规划设计院刘志红工程师等单位和个人对图集编制工作给予热情支持,谨此致以衷心感谢。

较快地编制出版如此规模的地图专集,在山东省尚属首次。图集中提出并表现了部分新的专题,试图使地图功能向读者结论方向漂移。作为一项工程,内容和环节繁多,而编制者水平有限,加之时间短促,故图集中定有不少待改进之处,欢迎同行及各界人士提出批评指正。

《山东省人口经济地图集》编辑部

1994年6月20日

Editorial Notes

"Atlas of Population and Economy in Shandong Province" is a thematic atlas presenting the general survey of population, the harmonious situation of socio-economic development and the environment for investment in the province. By using data and materials from the latest census and socio-economic statistics efficiently, it aims at helping people understand Shandong, make investment decisions, draw up programmes of development, study strategies for sustained development of socio-economy, and at promoting population researches and serving the open-door process of the province in a visual and objective way.

Contents: There are 12 sheet series and a group of appendix in the Atlas. Maps or charts play a major part in every graphic group with some explanations and analysis so that readers can get more information conveniently. The first graphic group introduces demographic activities and the natural and social environment, the environment for investment, and the economic development through 18 maps. The second series presents, with 13 maps, the harmonious situation of population and socio-economic development as well as the present key projects. The third shows the population distribution in different regions in Shandong as well as population density and population with various economic background through 12 maps. The fourth series has 16 maps and diagrams, presenting changes in population density over various historical periods together with the natural changes of the population today. Population sex ratio and age structure are shown in the 11 charts and diagrams of series five. The 18 charts in series six present the distribution, structure and utilization status of labor force resources. The 20 charts of series seven give the distribution of the talents, educational level of population and the status of their development as well. Population distribution and structure for the minority nationalities can be seen in series eight. Series nine introduces information concerning people's marriage and family status through 9 charts and diagrams. The tenth reviews women's fertility status and the achievement of birth control with 11 charts. The 2 charts and 3 diagrams in series eleven show the basic situation of the urban population. The twelfth series describe the growth trend for various populations in the coming 50 years. The appendix group introduces the concept of harmonious and sustained development of population, economy and environment, and presents the favorable policies in Shandong to attract investment from abroad. The whole Atlas includes 133 maps, 86 statistical diagrams and 75 pages of explanation (both in Chinese and English) and 19 pages of photographs. The three basic scales in the atlas are 1 : 2,000,000, 1 : 3,000,000 and 1 : 4,200,000.

Sources: 1. Population data mainly come from the 4th census in 1990 and some are from the 1st, 2nd, 3rd census and annual statistical reports. 2. Socio-economic data are from the statistical yearbooks of Shandong Province published in 1992 and 1993 and some are taken from statistical materials by the departments concerned of the provincial government. In order to present, the latest data of populational and economic indexes are listed in appendix 5. Materials concerning administrative divisions in Map 1-2 are up to April 1994. 3. Historical materials concerning population density are from "Population in China—a fascicle for Shandong Province" (China Finance and Economy Press, 1989) and "A Population History in Shandong" (Shandong Publishing Bureau, 1991). 4. Some of the charts in appendixes 1, 2 and 3 are selected from Population Education Album (China Cartographic Publishing House, 1991). 5. Map selection and colouring are based on China Population Atlas (China Statistical Publishing House, 1987), and China Economic Atlas (Oxford Press, 1994, English Version) and other large and medium-sized atlases. 6. Other materials for the chart edition and references involve many people from various fields whom we can't list here one by one. We express cordial gratitudes to the units and individuals that provided us with materials and to the authors of the books as well.

Geographic Base Maps: 1. The geographic base maps of the three basic scales for the population maps are reduced from the 1 : 1000000 Map of Shandong Province published in July, 1990, but the coastal line of the delta region of the Yellow River has been revised based on the newly published provincial map. Thus, the administrative

divisions in the atlas can be kept the same as that in the 4th census in 1990, so, it is easy to extract and process population data with computer. 2. The boundary lines between villages and towns in the 4 sheets of base maps concerning farming population density of 1 : 1,000,000 are reduced from the Map of Shandong Province published in 1991 with a scale of 1 : 250,000. This is the first time that we have accomplished the small—scale map of the boundaries map of villages and towns of Shandong Province. 3. In order to obtain an up to date atlas, the information of the geographic base maps of the sheets concerning environment and economy are usually up to early 1993.

Cartographic output : The compilation of the atlas is directed by Shandong Statistical Bureau, with an editorial board in charge of daily professional activities. The atlas compilation made use of both computer processed data and manual drawing. The preparation of this atlas first began in March, 1992 and computer data processing was started in the June of the same year. The compilational originals was completed in the period from July 1992 to July 1993, and fairdrafting was brought to an end in late 1993. The Chinese and English versions of the text were finished in June 1994 and the printing and publishing of the Atlats ended in late Sept. 1994. The whole cartographic process took two years and seven months. To shorten the cartographic period, different working processes were closely connected or carried out alternately.

Mr. Cheng Daoping from Shandong Teacher's University has been in charge of the drafting of the atlas editing program, cartographic design, map compilation and other related technical work. Data collecting, processing and documentation were done by Liu Shaohui, Hou Changpeng and Li Chengfa from Shandong Statistical Bureau. Map fair drawing was done by LiJun, Feng Xiulan, Wang Xushuang and others from the Cartographic Publishing House of Shandong Province. The people above have made great contributions to the editing and compiling of the atlas.

The compiling process has also been quickened with the help of Li Qun, Wang Mei, Yang Yuyu, Li Jianhua, Wang Jingsong, Lu Yehong, Zhao Xia, Niu Xuemei, Zhou Maoxi, Fan Xueshu, Miao Sikui, Lu Guangfa, Wang Zhongshan, and Wu Cuixia. The following people have taken part in publication original checking as well as other related work: Zhao Haijun, Yang Yuzhen, Sun Jing, Zhao Lanxiang, Yuan Li, Fei Shihong, Zhang Qingjun and Ni Huaqiao. Wang Yajing also participated in proofreading the English version and translated some appendix parts.

Acknowledement : Special thanks to the Department of Geography of Shandong Teacher's University, Xi' an Coal Aeronaut & Map Printing Company, Mr Zhu Guorui and Huang Rentao, professors of Wuhan University of Sureying and Mapping, Mr Wang Hongfen, associate—professor of Shandong Teacher's University, Ms. Liu Wei, and Mr. Li Han zhang, vice — director of Shandong Provincial Family Planning Commission, associate editor—in —chief Sun Baowen and editor Song Ying of Shandong Cartographic Publishing House, Lou Zihong engineer of the City and Countryside Planning Insitute of Shandong. They all have given us enthusiastic support in the compliation.

It is for the first time that such a large—sized atlas has been edited and published in the province. Some new subjects have been advanced and presented in the atlas with the aim of transferring the map's function to the reader's conclusion. As a large project, there may surely exist some improperness to be corrected since our professional proficiency and the time allowed are limited. Hence, any suggestions or criticisms are always welcome.

Editorial Board of Atlas of Population &
Economy of Shandong Province
June 20, 1994

目 录

图号	名 称	页码
	序言	
	编辑说明	
	目录	
一、人口、经济活动的环境		
1-1	世界与中国人口密度	2~3
1-2	山东省行政区划(1994)	4~5
1-3	山东地势	6~7
1-4	气候(降水与气温)	8
1-5	土地资源区域评价	9
1-6	土地利用及道路规划	10~11
1-7	矿产资源	12~13
1-8	旅游资源	14~15
1-9	水资源	16
1-10	陆海交通	18~19
1-11	民用航空线(1993)	20
1-12	邮电(1992)	22~23
1-13	通讯传输(1992)	26~27
1-14	电力(1992)	28
1-15	环境保护	29
1-16	各类开发区分布(1993)	30
1-17	生产力总体布局规划	31
1-18	海洋功能区划	32
二、人口与社会经济		
2-1	人口、经济与教育的综合 类型分区	36~37
2-2	人口压力评估	38
2-3	各县(市、区)人均国内生产总值 与人均三大产业产值对比	40~41
2-4	各县(市、区)人口综合经济密度	42
2-5	各县(市、区)人均占有 耕地、粮食	44~45
2-6	各县(市、区)农业人口与 耕地、粮食	46~47
2-7	各县(市、区)农业劳动力与 耕地、粮食	48~49
2-8	各市、地人口与耕地、粮食的关系	50
2-9	各县(市、区)非农化率	52
2-10	各县(市、区)城镇化率	53
2-11	各县(市、区)农村居民人均 纯收入(1991)	54
2-12	各市、地大中型企业构成及重点 工程分布	56~57
2-13	各旅游区境外旅游者数量(1992)	58
三、人口分布		
3-1	人口分布	62~63
3-2	各市、地总人口与人口密度	64
3-3	各市、地市镇人口比重及城乡 人口构成	64
3-4	各县(市、区)人口密度与城乡 人口构成	66~67
3-5	城镇居民地分布	70~71
3-6	各县(市、区)农业人口密度	72
3-7	各县(市、区)耕地人口密度	73
3-8	鲁北地区各乡、镇耕地人口 密度	74~75
3-9	鲁中、南地区各乡、镇耕地人口 密度	76~77
3-10	鲁东北地区各乡、镇耕地人口 密度	78~79
3-11	鲁东南地区各乡、镇耕地人口 密度	80~81
3-12	各市、地耕地人口密度	81
四、人口变动		
4-1	西汉时期山东省域人口密度	84
4-2	唐朝山东省域人口密度	84
4-3	元朝山东省域人口密度	85
4-4	明朝山东省域人口密度	85
4-5	清朝山东省域人口密度	86
4-6	民国年间山东省域人口密度	86
4-7	1982年人口密度	87
4-8	全省人口重心的变化	

(1953~1990年)	87
4-9 各县(市、区)人口增长速度与 增长人数(1982~1990)	90~91
4-10 各县(市、区)人口出生率	92
4-11 各县(市、区)人口死亡率	93
4-12 各县(市、区)人口自然增长率	94
4-13 全省“三率”及总人口、人口 密度的变化	95
4-14 全省及各市、地分年龄人口死亡率 ..	97
4-15 各县(市、区)1985~1990年迁入 人口	98
4-16 各县(市、区)流动人口	99

五、性别、年龄

5-1 各县(市、区)总人口性别比	102
5-2 各市、地总人口性别比及其城乡 差异	103
5-3 各县(市、区)婴幼儿比重及 性别比	104~105
5-4 不同时期全省人口年龄金字塔	107
5-5 各县(市、区)人口年龄构成及 平均年龄	108~109
5-6 各县(市、区)人口年龄结构类型	110
5-7 各县(市、区)育龄妇女比重	112
5-8 各县(市、区)老年人口比重与 百岁老人分布	113
5-9 各县(市、区)总抚养比	114
5-10 各县(市、区)少年儿童抚养比	115
5-11 各县(市、区)老年人口抚养比	115

六、劳动力资源及利用

6-1 各市、地劳动力资源利用率	119
6-2 各县(市、区)在业人口的行业构成 及性别比	120~121
6-3 各县(市、区)三大产业人口 构成	124~125
6-4 各市、地劳动年龄人口比重与 文化素质	126
6-5 各市、地分行业人口的年龄 构成	128~129
6-6 各市、地分行业人口的文化 程度	132~133
6-7 各县(市、区)青年人口比重	134

6-8 各市、地在业人口的职业构成	135
6-9 各市、地专业技术人员年龄构成	137
6-10 各县(市、区)科研人员比重	139
6-11 各县(市、区)教学人员比重	139
6-12 各县(市、区)医疗卫生技术 人员比重	140
6-13 各县(市、区)工程和农林技术 人员比重	140
6-14 各县(市、区)商业人员比重	141
6-15 各县(市、区)国家机关及党群 组织负责人比重	141
6-16 各市、地不在业人口规模、类别 及比重	144~145
6-17 各市、地市镇待业人口规模与 文化程度	146
6-18 各市、地市镇待业人口比重与 年龄构成	147

七、文化程度

7-1 各县(市、区)人口平均受教育年限 ..	150
7-2 各县(市、区)6岁及以上人口 文化程度构成	152~153
7-3 全省及市、镇、县各种文化程度人 口占同龄人口比重	155
7-4 人才分布	156~157
7-5 各县(市、区)人才比重(一)	158
7-6 各县(市、区)人才比重(二)	158
7-7 各市、地分性别、年龄的人才结构	159
7-8 各市、地赴国外工作或学习 人员的数量	162
7-9 各县(市、区)初中、高中文化 程度人口比重	163
7-10 各县(市、区)文盲、半文盲人口 比重	164
7-11 各市、地文盲及半文盲人口年龄 构成和性别比	165
7-12 各县(市、区)高等文化程度 人口的增长(1982~1990)	167
7-13 各县(市、区)中专及高中文化 程度人口的增长(1982~1990)	167
7-14 各县(市、区)初中文化程度 人口的增长(1982~1990)	168

7-15 各县(市、区)小学文化程度人口的增长(1982~1990)	168
7-16 各市、地初中文化程度人口的学业完成状况	170
7-17 各市、地小学文化程度人口的学业完成状况	171
7-18 各县(市、区)中、小学在校生的构成及比重	172~173
7-19 各县(市、区)大学、中专在校生的构成及比重	176~177
7-20 各市、地普通高校、中专学校的分布	178

八、少数民族人口

8-1 各县(市、区)少数民族人口的分布与构成	180~181
8-2 少数民族人口的年龄、文化程度和职业构成	182

九、婚姻、家庭

9-1 全省人口婚姻状况	186~187
9-2 各县(市、区)15~19岁已婚人口比重	190
9-3 各县(市、区)25~29岁未婚人口比重	191
9-4 各县(市、区)30~34岁未婚人口比重	192
9-5 各市、地女性晚婚率	194
9-6 各县(市、区)女性平均初婚年龄	195
9-7 各市、地分年龄组男女婚姻状况	196~197
9-8 各县(市、区)离婚人口比重	198
9-9 各市、地家庭户数量及类别构成	200
9-10 各县(市、区)家庭户规模	201

十、生育

10-1 各县(市、区)育龄妇女平均初育年龄	204
10-2 各市、地育龄妇女分年龄生育率与总和生育率	205
10-3 各县(市、区)育龄妇女总和生育率	206
10-4 各市、地分年龄组育龄妇女生育孩次比重及一般生育率	209
10-5 各市、地15~39岁多孩妇女比重	210

10-6 各市、地15~49岁多孩妇女比重	210
10-7 各县(市、区)15~19岁妇女生育率	211
10-8 各市、地各种文化程度妇女的生育孩次构成	214
10-9 各市、地各种职业妇女的生育孩次构成	215
10-10 15~64岁妇女平均活产与存活子女数	216~217
10-11 各县(市、区)独生子女领证率(1991年)	218

十一、城市人口

11-1 济南城区人口密度	222
11-2 各地级市政府驻地街道人口文化程度构成	224
11-3 各地级市政府驻地街道人口职业构成	224
11-4 城市建成区人口密度及用水状况(1991年)	225
11-5 城市流动人口	226

十二、未来人口

12-1 未来全省人口年龄结构	229
12-2 未来全省总人口(按高、中、低三方案预测)	230
12-3 未来全省男、女劳动力资源及其平均年龄	230
12-4 未来全省不同就学阶段人口数	231
12-5 未来全省各特定年龄段人口数	232
12-6 未来全省少儿、老年人人口数及总人口年龄特征	233
12-7 未来全省育龄妇女状况	234

附录

附录1 人口与资源、环境和社会经济的协调发展	238
附录2 中国人口概况	239
附录3 世界人口概况	240~241
附录4 经济投资的软环境	242
附录5 各县(市、区)主要人口与经济指标(最新数据)	248
附录6 山东省最新区划变动区域和特色乡镇介绍	253
附录7 山东省部分骨干企业简介	258

Contents

No.	Name of Maps	Page
	Preface	
	Editorial Notes	
	Contents	
	1. Environment for Population's and Economic Activity	
1-1	Population density of China and the world	2~3
1-2	Administrative divisions of Shandong Province (1994)	4~5
1-3	Topography of Shandong Province	6~7
1-4	Climate (precipitation and temperature)	8
1-5	The regional asessment of land resource	9
1-6	Land utilization and the plan of road construction	10~11
1-7	Mineral resources	12~13
1-8	Tourism resources	14~15
1-9	Water resources	16
1-10	Land and sea communication lines	18~19
1-11	Civil aviation lines (1993)	20
1-12	Post and telecommunications (1992)	22~23
1-13	Telecommunications and transmissions (1992)	26~27
1-14	Electric power (1992)	28
1-15	Environmental protection	29
1-16	Distribution of various development regions (1993)	30
1-17	Overall arrangement of productive force	31
1-18	Sea—function division	32
	2. Population and Socio—economy	
2-1	Population, economy and education	36~37
2-2	Review of population pressure	38
2-3	Gross domestic product for per capita of counties (cities and districts) and output value of three industries	40~41
2-4	Overall economic density of counties (cities and districts)	42
2-5	Arable land and grain for per capita of counties (cities and districts)	44~45
2-6	Agricultural population and arable land and grain of counties (cities and districts)	46~47
2-7	Agricultural labour force and arable land and grain of counties (cities and districts)	48~49
2-8	Population of cities and districts and the relations with arable land and grain	50
2-9	Non—ruralization of counties (cities and districts)	52
2-10	Urbanization of counties (cities and districts)	53
2-11	The net income of rural inhabitants of counties (cities and districts) (1991)	54
2-12	Composion of large and medium—sized enterprises of counties and prefectures and the distribution of the key projects	56~57
2-13	The number of overseas tourists in all tourist areas (1992)	58
	3. Population Distribution	
3-1	Population distribution	62~63
3-2	Total population and population density in cities and prefectures	64
3-3	Proportion of urban population in cities and prefectures and composion of urban and rural population	64
3-4	Population density in counties (cities and districts) and the composition of urban and rural population	66~67
3-5	Distribution of residents in urban areas	70~71
3-6	Density of argricultural population in counties (cities and districts)	72
3-7	Density of population of farming land in counties (cities and districts)	73
3-8	Population density of farming land in villages and towns in north Shandong	74~75
3-9	Population density of farming land in villages and towns in central and south Shandong	76~77
3-10	Population density of farming land in villages and towns in northeast Shandong	78~79
3-11	Population density of farming land in villages and towns in southeast Shandong	80~81
3-12	Population density of farming land in cities and prefectures	81
	4. Variations of Population	
4-1	Population density in Shandong area in the Western Han dyansty	84
4-2	Population density in Shandong area in the Tang dynasty	84
4-3	Population density in Shandong area in the Yuan dynasty	85