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[6]. -

, , (25–30 50). ,

, [5]. ,

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(. 1, 2). , 1897–2015 .

(. 1). ,

1939 1989 .

, 1926 1939 .

[4], . 1930–1940- 105

[3]. 1950 . ,

,

	1897,	1926,	1939,	1959,	1970,	1979,	1989,	2002,	2010,
	-	-	21465,53	19651,45	17075,40	17075,40	17075,40	17075,40	17075,40
-	...	...	2339	2237	...	1813	...	...	...
-	...	461	574	877	969	999	1037	1098	1099
-	...	702	743	1495	1869	2046	2193	1842	1295
-	...	55858	41105	26770	...	22681	23033	...	19591
()	...	489371	...	294059	...	...	152922	155290	153090
-	...	1163	1317	2372	2838	3045	3230	2940	2394
-	8,826	17,443	36,300	61,600	81,000	95,400	108,426	106,429	105,314
,	46,842	83,449	72,100	55,900	49,100	42,200	38,975	38,738	37,543
,	55,667	100,892	108,400	117,500	130,100	137,600	147,401	145,167	142,857
1	2,593	5,134	6,348	6,881	7,619	8,058	8,632	8,502	8,366

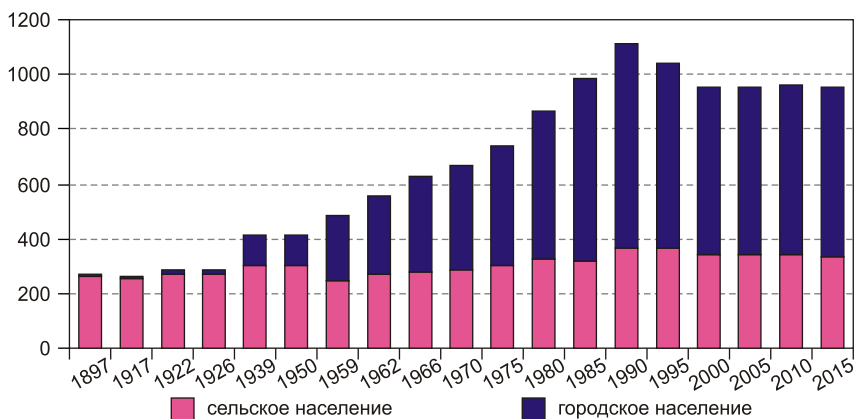
. 1

	1897,	1926,	1939,	1959,	1970,	1979,	1989,	2002,	2010,
-	-	170,5	...	190,1	...	...	254,9	249,5	245,2
, .	...	14998,0	27562,6	25969,6	28541,2	31330,0	33568,3	36200,4	43990,7
-	...	17,3	33,5	52,4	62,3	69,3	73,6	73,3	73,7
, %	15,9								

2

	()									
	1897,	1926,	1939,	1959,	1970,	1979,	1989,	2002,	2010,	2013,
	(.)							()	()	()
, . .	3947,71	4023,31	3103,20	3103,20	3103,20	3103,20	3103,20	3083,50	3083,50	3083,50
-	...	...	34	...	...	32	32	32	32	32
- ,	...	5	6	8	9	10	11	13	13	13
-	...	0	16	39	48	61	67	55	42	42
- ( )	...	...	436	...	...	312	316	...	364	364

:



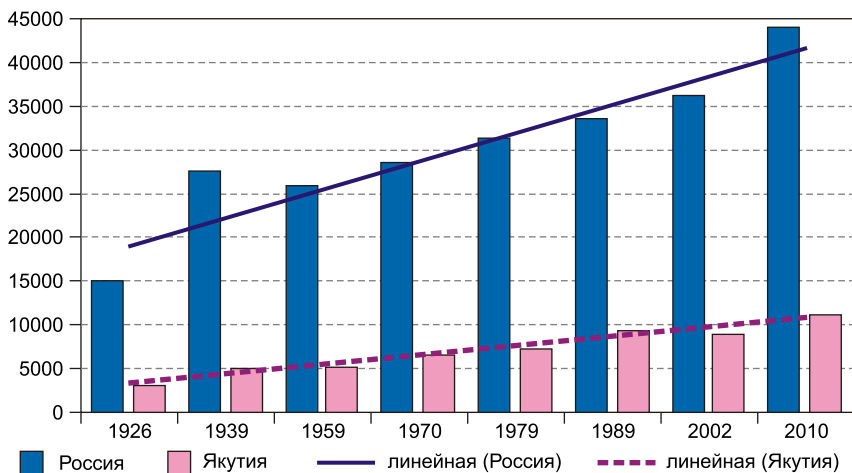
1. 1897–2015 .. (http://sakha.gks.ru)

1990–2000 .. 1990- [7].

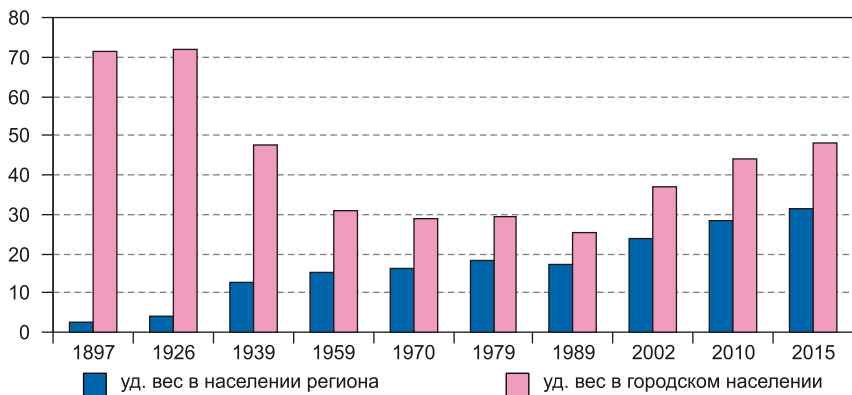
(. . 1).

65 35%, 75 25%,

	XX .	1897	2015 .
(. .1).	9,2 614,6 . .		
XIX .	3,4%, 2015 .		65,3%.
:	15,9 74,2%.		-
XX –	XI .		-
	,		-
	(1926–1939 .– 7,3 , 1950–1960 .–		-
1,8 , 1980–1990 .– 1,4)			-
	,		-
	.		-
	,		-
	.		-
	,		-
	2000 .–		-
	,		-
	.		-
	(.2),		-
	,		-
	,		-
	,		-
	,		-
	.	XIX .	-
	,	2%,	-
	31% (.3).	,	-
			-



. 2.

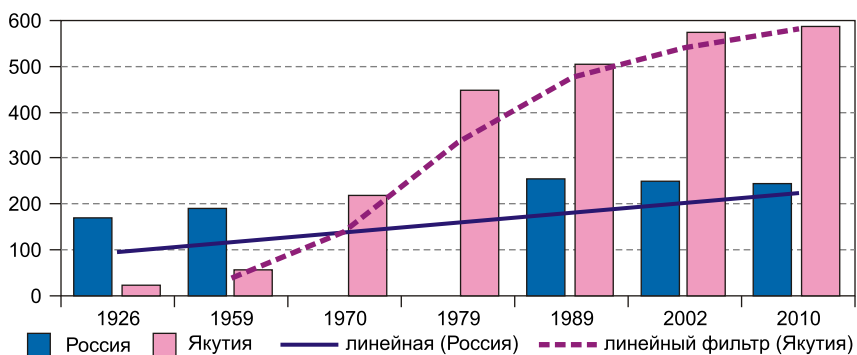


. 3.

, %

120
 32%: 260,7 . . 1897 . 344,0 . . 2015 .
 1950 1959 .
 1970-
 300–350 . .,
 30–35% .
 (. 4).
 [1].

1930–1950-



. 4.

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. 1960-1970-

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1990-

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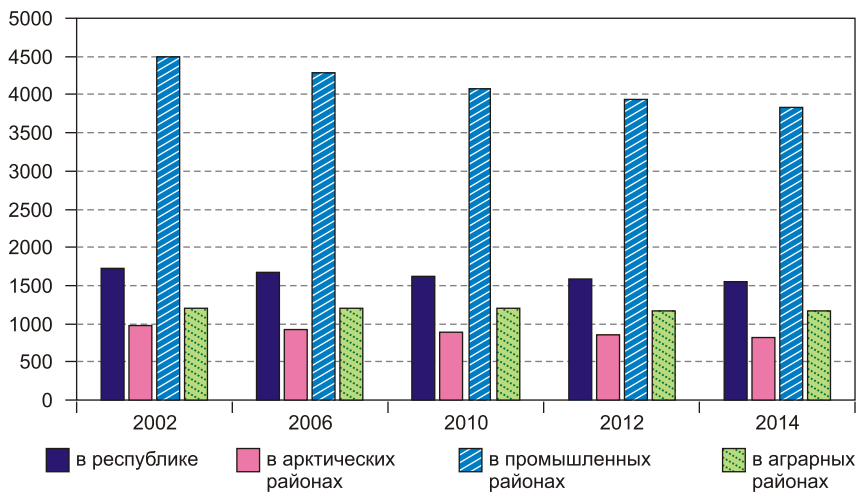
,

1970-2010 .

24%,

2%,
25%.

2 .



. 5.

(. 5).

$$T = \sum_{r=1}^R \frac{Y_r}{Y} \ln \frac{Y_r}{Y/R}, \quad Y = \sum_{r=1}^R Y_r,$$

$$Y_r - \quad ; R - \quad r; Y -$$

$$0 \quad \ln R. \quad (Y_r = Y/R)$$

$$(T = T_{between} + T_{within}):$$

$$T_{between} = \sum_{m=1}^M \frac{Y_m}{Y} \ln \frac{Y_m/R_m}{Y/R},$$

$$Y_m - \quad m, Y_m = \sum_{r=1}^{R_m} Y_r; R_m -$$

$m;$

$$T_{within} = \frac{M}{Y} \sum_{m=1}^M Y_m T_m,$$

T_m –

$$T_m = \sum_{r=1}^{R_m} \frac{Y_r}{Y_m} \ln \frac{Y_r}{Y_m / R_m}.$$

(3).

1970- 2010- ,
 1970 1989 .
 , 1970 1989 .
 , 1989
 2010 . , 40

3

	T	T_{within}	$T_{between}$
1970	2,007	1,612	0,395
1979	1,712	1,273	0,439
1989	1,528	1,015	0,514
2002	1,844	1,193	0,651
2010	2,276	1,571	0,705
:			
2010/1970	1,13	0,97	1,78
1989/1970	0,76	0,63	1,30
2010/1989	1,49	1,55	1,37

[2].

(15-54-71003)

1. 1959–1989 // , 2001. – . 225–239.
2. « » « » // : 2014. – 1 (81). – . 64–85.
3. 1937 1939 // . – 2013. – . 10, 1. – . 118–123.
4. 1897–1989 // . – 2013. – 8 (2). – . 429–433.
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T.N. Gavrilyeva, E.A. Kolomak

ANALYSIS OF CHANGES IN THE SETTLEMENT SYSTEM OF YAKUTIA

The paper analyzes the changes in the spatial distribution of population in Yakutia between 1897 and 2015; the considered indicators are the urban and rural population, the density of population in urban and rural settlements, and the impact of activity types on the settlement system. The quantitative estimations for the level and dynamics of the spatial concentration of population are based on the Theil index. We discover differences in the dynamics of population concentration and characteristics of the settlement system throughout the periods of region's development. Market relations have redirected the spatial structure of economic activity in Yakutia, despite a series of constraints resulting from climate, economic, and national factors. The transformation of the settlement system in Yakutia is heterogeneous: the population in cities tends to concentrate which leads to urban agglomerations, while rural settlements demonstrate a trend towards size convergence.

Keywords: population; settlement system; Sakha Republic (Yakutia); city; rural settlement; spatial concentration; quantitative estimation

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