Statistical Description

In [2]:	# Ain	n: 7	Γο Ρ	erfo	rm Stati	stical Descr	ript	ion on Da	ıta					
In [3]:	#Name #Roll #Sub #sect #Date	no : E	o. : ET1 n:3C	72	nil Dhoto	е								
In [7]:	impor	rt բ	oand	as a	s pd									
In [8]:	impor	rt o	os											
In [9]:	os.ge	etcv	vd()											
Out[9]:	'C:\\	Use	ers\'	\SUR	UTI DHOTE	E\\Desktop'								
In [10]:	os.ch	ndir	Դ("C	:\\เ	lsers\\SU	RUTI DHOTE\\	\Des	sktop")						
In [11]:	data=	pd.	rea	d_cs	v("frami	ngham.csv")								
In [13]:	data.head()													
Out[13]:	ma	ale	age	ed	ucation c	urrentSmoker	cig	ısPerDay E	BPMeds	preva	lentStroke	pre	evalentHyp	dia
	0	1	39		4.0	0		0.0	0.0		0		0	
	1	0	46		2.0	0		0.0	0.0		0		0	
	2	1	48		1.0	1		20.0	0.0		0		0	
	3	0	61		3.0	1		30.0	0.0		0		1	
	4	0	46		3.0	1		23.0	0.0		0		0	
4														•
In [14]:	data	tai	il()											
Out[14]:		ma	ale	age	education	currentSmol	ker	cigsPerDay	у ВРМес	ds pi	revalentStrol	ke	prevalentH	ур
	4235		0	48	2.0)	1	20.0) Na	N		0		0
	4236		0	44	1.0)	1	15.0	0	.0		0		0
	4237		0	52	2.0)	0	0.0	0	.0		0		0
	4238		1	40	3.0		0	0.0		.0		0		1
	4239		0	39	3.0)	1	30.0	0	.0		0		0
4														•
In [15]:	data	hea	ad(1	0)										

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Out[15]:	ma	ale a	ge ed	ucation cu	rrentSmoker cig	gsPerDay B	BPMeds p	revalentStroke p	revalentHyp	dia
	0	1	39	4.0	0	0.0	0.0	0	0	
	1	0	46	2.0	0	0.0	0.0	0	0	
	2	1	48	1.0	1	20.0	0.0	0	0	
	3	0	61	3.0	1	30.0	0.0	0	1	
	4	0	46	3.0	1	23.0	0.0	0	0	
	5		43	2.0	0	0.0	0.0	0	1	
	6		63	1.0	0	0.0	0.0	0	0	
	7		45	2.0	1	20.0	0.0	0	0	
	8		52	1.0	0	0.0	0.0	0	1	
	9	1	43	1.0	1	30.0	0.0	0	1	
4										•
In [16]:	16]: data.tail(10)									
Out[16]:		male	e age	education	currentSmoker	cigsPerDay	y BPMeds	prevalentStroke	prevalentH	ур
Out[16]:	4230	male		education 1.0	currentSmoker	cigsPerDay				yp 1
Out[16]:	4230 4231	C				3.0	0.0	0		
Out[16]:		C) 56 I 58	1.0	1	3.0	0 0.0	0		1
Out[16]:	4231	1	56 1 58 1 68	1.0	1	3.0 0.0 0.0	0 0.0 0 0.0 0 0.0	0		1
Out[16]:	4231 4232	1	56 1 58 1 68 1 50	1.0 3.0 1.0	1 0	3.0 0.0 0.0	0 0.0 0 0.0 0 0.0 0 0.0	0 0 0		1 1 1
Out[16]:	4231 4232 4233	1 1 1	56 1 58 1 68 1 50 1 51	1.0 3.0 1.0	1 0 0	3.0 0.0 0.0 1.0 43.0	0 0.0 0 0.0 0 0.0 0 0.0 0 0.0	0 0 0 0		1 1 1 1
Out[16]:	4231 4232 4233 4234 4235 4236	1 1 1	56 1 58 1 68 1 50 1 51 0 48	1.0 3.0 1.0 1.0 3.0	1 0 0 1 1	3.0 0.0 0.0 1.0 43.0	0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 NaN	0 0 0 0 0 0		1 1 1 1 0
Out[16]:	4231 4232 4233 4234 4235	1 1 1 1	56 58 58 68 50 51 51 48 44	1.0 3.0 1.0 1.0 3.0 2.0	1 0 0 1 1	3.0 0.0 0.0 1.0 43.0 20.0	0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 NaN	0 0 0 0 0 0 0 0 0		1 1 1 1 0 0
Out[16]:	4231 4232 4233 4234 4235 4236 4237 4238	1 1 1 1 0 0	56 1 58 1 68 1 50 1 51 48 0 44 0 52 1 40	1.0 3.0 1.0 1.0 3.0 2.0 1.0 2.0 3.0	1 0 0 1 1 1 1 0 0	3.0 0.0 0.0 1.0 43.0 20.0 15.0 0.0	0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 NaN 0 0.0 0 0.0			1 1 1 1 0 0 0
Out[16]:	4231 4232 4233 4234 4235 4236 4237	1 1 1 1 0 0	56 1 58 1 68 1 50 1 51 48 0 44	1.0 3.0 1.0 1.0 3.0 2.0 1.0	1 0 0 1 1 1 1	3.0 0.0 0.0 1.0 43.0 20.0 15.0 0.0	0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 NaN 0 0.0 0 0.0			1 1 1 1 0 0 0
Out[16]:	4231 4232 4233 4234 4235 4236 4237 4238	1 1 1 1 0 0	56 1 58 1 68 1 50 1 51 48 0 44 0 52 1 40	1.0 3.0 1.0 1.0 3.0 2.0 1.0 2.0 3.0	1 0 0 1 1 1 1 0 0	3.0 0.0 0.0 1.0 43.0 20.0 15.0 0.0	0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 NaN 0 0.0 0 0.0			1 1 1 1 0 0 0

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Out[18]:		male	age	education	currentSmoker	cigsPerDay	BPMeds	prevalent
	count	4240.000000 4	4240.000000	4135.000000	4240.000000	4211.000000	4187.000000	4240.0
	mean	0.429245	49.580189	1.979444	0.494104	9.005937	0.029615	0.0
	std	0.495027	8.572942	1.019791	0.500024	11.922462	0.169544	0.0
	min	0.000000	32.000000	1.000000	0.000000	0.000000	0.000000	0.0
	25%	0.000000	42.000000	1.000000	0.000000	0.000000	0.000000	0.0
	50%	0.000000	49.000000	2.000000	0.000000	0.000000	0.000000	0.0
	75%	1.000000	56.000000	3.000000	1.000000	20.000000	0.000000	0.0
	max	1.000000	70.000000	4.000000	1.000000	70.000000	1.000000	1.0
→								>
T- [20].	data.	ndim		_				
In [20]:	_	natii						
Out[20]:	2							
In [21]:	data.	info()						
	Data (# () 1 () 2 () 3 () 4 () 5 () 6 () 7 () 8 () 9 () 11 () 12 () 13 () 14 () 15 () dtypes	Index: 4240 ecolumns (total columns) Column The columns (total columns) The columns (total columns)	Non-Nu	mns): ull Count ull Count non-null	Dtype int64 int64 float64 float64 float64 int64 int64 float64 float64 float64 float64 float64 float64 float64			
In [23]:	data.	size						
Out[23]:	67840							
In [24]:	data.	shape						
	(4240)	·						
Out[24]:	(12-10)	, _0,						

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