You have 60 minutes to complete this exam. Besides this paper and a pen, no other aid or tool is needed/allowed. Your answers should be short, concise and of course about the question. If you need extra paper (you can write on separate paper) or have any other question, just raise your hands!

Nar	me:											
1. Ex	plain the f	ollowing	gs:									
(a) validity 											(1 point)
(b) reliabilit	y										(1 point)
(c) sampling	g frame										(1 point)
2. Ho	w would y	ou desc	ribe the	e below	measur 40	rements	(temp)	erature	of 60°0	C)? Ex 	plain!	(2 points) $\sim \sim \sim \circ C$
a) b)		10	20	30	40	50	60	70	80	90	100	$\sim \sim \sim \circ C$
3. Plo	ot a reliabl	e but n + 10	ot valid + 20	sample 	e of mea +	asurem + 50	ents ma + 60	ade in w + 70	vater ke +	ept at 6 + 90	50°C! /~~~ 100	(1 point) $\sim \circ C$
4. W€ Wł	e asked stu nat do you	dents a think o	bout th of the re	eir bod eliabilit	yweigh y of the	t, and g e choose	got thes en samp	se value ple? Wl	s: 30, 9 1y?	90, 90,	60, 30.	(1 point)

Quantitative methods

5.	What the state of	at entities are described and compared by the following research topics? Who are respondents?	
	(a)	"The longer the engagement period, the longer the marriage."	(1 point)
	(b)	Does economic development lower the birth rate?	(1 point)
6.	Con Geri	ament on the methodological problems of Durkheim's study about suicides in many!	(2 points)
7.	Desc	cribe the types of variables and the levels of measurement!	(4 points)

8. I	Define the level of measurement:	
	(a) Educational level	$(\frac{1}{2} \text{ point})$
	(b) Place of birth	$(\frac{1}{2} \text{ point})$
	(c) Bodyweight	(1/2 point)
	(d) Favorite color	$(\frac{1}{2} \text{ point})$
	(e) Age (computed from date of birth)	$(\frac{1}{2} \text{ point})$
	(f) Name	$(\frac{1}{2} \text{ point})$
9. l s -	Describe the questions, problems and the process of conceptualization in pratice howing a <i>short</i> introduction about a fictious research subject!	e by (2 points)
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		 (1
10.	V hat indicators would you set up in your chosen research subject?	(1 point)
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11. Make an example of the following response formats: (a) Likert scale: (1 point)(b) Numerical rating scales: (1 point)(c) Dichotome variable: (1 point)12. Explain the difference between the quota and stratified sampling! (2 points)13. Compute (without calculator!) the mean, median, mode, standard deviation and (4 points) standard error of values found in question 4! How would you define the confidence interval? $\overline{x} = \frac{\sum_{i=1}^{n} x_i}{n} \qquad \sigma = \sqrt{\sum_{i=1}^{n} \frac{(x_i - \overline{x})^2}{n}} \qquad SE = \frac{\sigma}{\sqrt{n}} \sqrt{1 - \frac{n}{N}}$