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PhD students in Ukraine: expectations and outcomes of scientific activities

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Attitudes on research and expectations of Aspirants: measurement and hypotheses

Parameters of measurement:

- Motives and expectations of enter the Aspirantura; 1.
- 2. Attitudes to personal scientific activities.

Hypothesis (H_o) : attitudes to research and science are dominate among aspirants.

Hypothesis (H₁): the material factors to enter the aspirantura are more significant than the value orientations on research.

Trial hypotheses:

- Attitudes at scientific activities are differ for the young natural scientists and humanitarians. Humanitarians are less motivated for research.
- Motivation of scientific activities and further career depends on economic and social resources of Aspirants.

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Structural parameters of the inquired group: descriptive profile

The mean age is 25,5.	Material status (self-estimations):		
_			Higher - 8%
Margie status <u>:</u>			Average - 64 %
<u>Single – 72%;</u> married – 20%;			Lower – 16 %
	Lowest (economical with food) -12 %		
Residence:	Educational status of parents:		
		Mother	Father
Reside in a dormitory – 54 %;	Higher	54 %	52 %
Reside with parents -34% ;	Professional	20 %	28 %
Rent an accommodation – 9%	Secondary	20 %	20 %
Natural sciences	Humanities		
Female 44 %	<u>65 %</u>		
<u>Male 56 %</u>	35 %		
Mother or Father of 8 % aspirar institutions.	nts are \ were e	mployed in So	cientific or Educational

<u>A typical aspirant in Ukraine (KNU):</u> very young, unmarried, has more or less average material status, has origin from high-educated family, more often is female. 10

Expectations of a fe (after graduatio	urther empl n), in % (by co	oymeı lumn)	nt
Prospects of professional career are very important for 24 % aspirants.		Expecta- tion of emplo yment	Expecta- tion of emplo yment
But: After graduation 91 % former aspirants in	Teaching in University	24	47
Humanities are employed not in education and science but in business,	Researcher, employment in science	24	25
politics, public administration and other spheres.	Continuation of education abroad	32	2
The similar is concerning 52 % former aspirants of natural sciences.	Other practical work including business, no education or research	20	23
	Don't know	15	3

Types of motives	Natural Sciences	numanities
1. Self-realization, research interests	66 %	54 %
2-3. Financial reasons:	40 %	32 %
to support own financial state for the nearest three years and future perspectives		
2-3. Social recognition and prestige	40 %	32 %
n	74	91
2. Why aspirant and re	esearch after gr	remain in science aduation?



Motives of "running from science and research' after graduation:

- Decrease of prestige of science (51%),
- Absence of perspectives for professional self-realization and career (64% natur.scientists and 58% humanitarians),
- 'Uncertainty of life perspectives' (35%),
- Unwillingness of the research institutions giving support to young researchers (33 % \ 41 %),
- Long term of commercialization of scientific findings (25%).

'Nobel Prize? – No, thanks!'

Professional career horizon in science is pragmatic:

- Head of department or laboratory at University or Academic Institution: 60% aspirants of natural sciences and 43 % of Humanitarians;
- Senior or principal researcher (10%).





