

Academic motivation of Economics courses participants on Coursera

1. Rational and theoretical framework
2. Model of inquiry
3. Sample and dataset
4. Analysis result (1 part of analysis)

Parts of presentation



Thousands registered on courses



Small part of them reaches the final exam



Theoretical assumption

*Higher dropout rate depends on **academic motivation** of MOOCs participants*

Rational and theoretical framework



Goal

Determine the degree of influence of academic motivation on the process of leaving the online courses

1. Determine the type of academic motivation which participants have
2. Determine the degree of its influence

Rational and theoretical framework



Motivation

intrinsic

value of the activity itself

extrinsic

*activity as a means to
achieve a certain goal*

Rational and theoretical framework



Motivational theories

sociocultural

*includes situative theories,
cognitive apprenticeship theory*

psychological

*includes Self-determination
theory*

Rational and theoretical framework



Academic motivation – latent variable

Extrinsic/Intrinsic

6 ideal types

Cognitive

Get new knowledge
Learning

Social

Interaction with
other MOOCs
listeners and staff

Instrumental
Obtain some
external attribute

6 classes (types) of academic motivation

Model of inquiry



HSE **Economics Courses** on Coursera:

- » Microeconomics Principles – 4 069
- » Financial Markets and Institutions – 3 226
- » Macroeconomics – 2 156
- » Industrial Organization - 941

Total – 10 392

Final sample consisted of 10 141 participants

Sample and Dataset



Quality of model

Model determined the probability to have a particular type of academic motivation which is higher than 0,5 for 96% of respondents

Number of classes – 3 classes

1 class – cognitive intrinsic, cognitive extrinsic, social intrinsic and instrumental extrinsic

rationalist

2 class – cognitive intrinsic and instrumental intrinsic

rubberneck

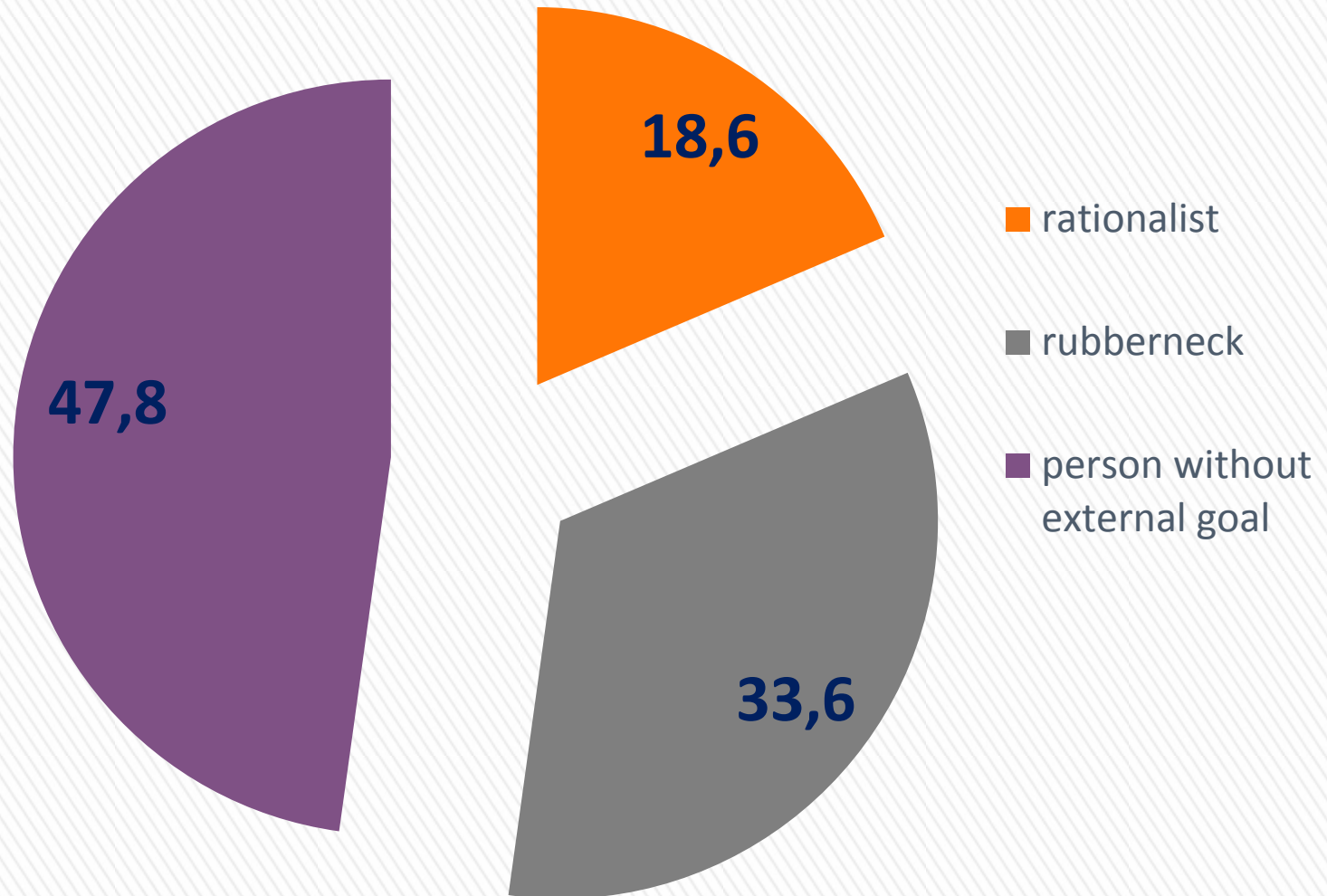
3 class – just cognitive intrinsic

Person without external goal

Analysis result



Classes of academic motivation



Analysis result



Characteristics of classes

1 class – student at university, person on vacation, employee in educational institution

2 class – employee in uncommercial organization

3 class – freelancer, entrepreneur, employee in commercial organization

Analysis result



Thank you!

