# How to innovate a course on innovative startups?



A course offered for the 24th semester, since 2010

More than 6000 (satisfied) students during the years

Tamás Iványi, Assistant lecturer

Pál Danyi, PhD, Associate professor

János Vecsenyi, PhD, Professor Emeritus



## What can students get if they take this class?

Introduction to the world of startups and entrepreneurs – a possible career



Theoretical knowledge on entrepreneurship

Famous Hungarian entrepreneurs are invited

Business concept mapping, value prop, marketing, market research, MVP, pivoting, ...

Practical experience of launching an enterprise and solving business challenges of exptrepreneurship

CAN BE SELECTED

Guidance to career planning: "Is this a job for me? Is it worth launching a startup for my idea?"



### What will YOU get if you take this class?







It depends on YOU, on what YOU want. This is YOUR class, YOU chose it.



#### What do YOU want to get?



Just getting an introduction, by making a limited effort.



I want knowledge, and am willing to test myself.



I want to start a business and am willing to work hard.

#### What do YOU have to fulfil?



One test at the end of Semester



**Easy** rider

**Business Concept** 

+

2-minute video



StartupVIP
Programme:
Validated business
concept +
Pitching



#### Methodology of the primary research

Online survey sent by Neptune System

Method: convenience sampling

Each semester at the same time: few days before the first lecture

Topics:
-goals of the course
-why startups are important
-skills of an entrepreneur

Semantic scales (1-7) were used to conduct hierachical clustering

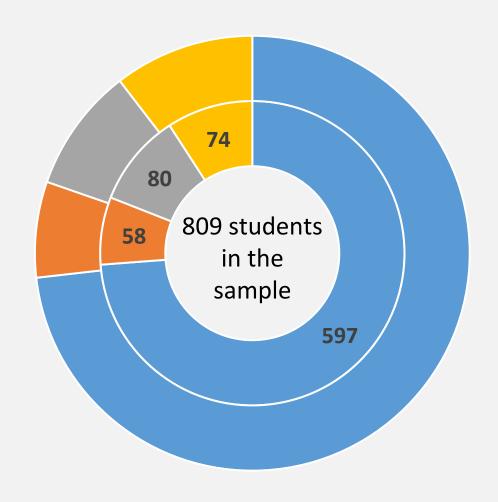


## Demography of the course and the sample





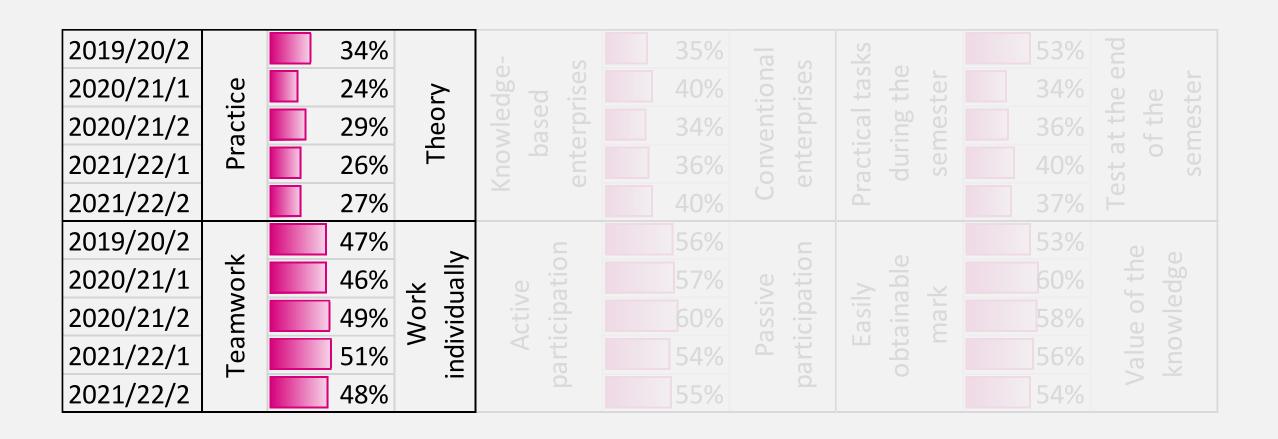
## Demography of the course and the sample



- Faculty of Electrical Engineering and Informatics Faculty of Mechanical Engineering
- Faculty of Economic and Social Sciences
- Other faculties



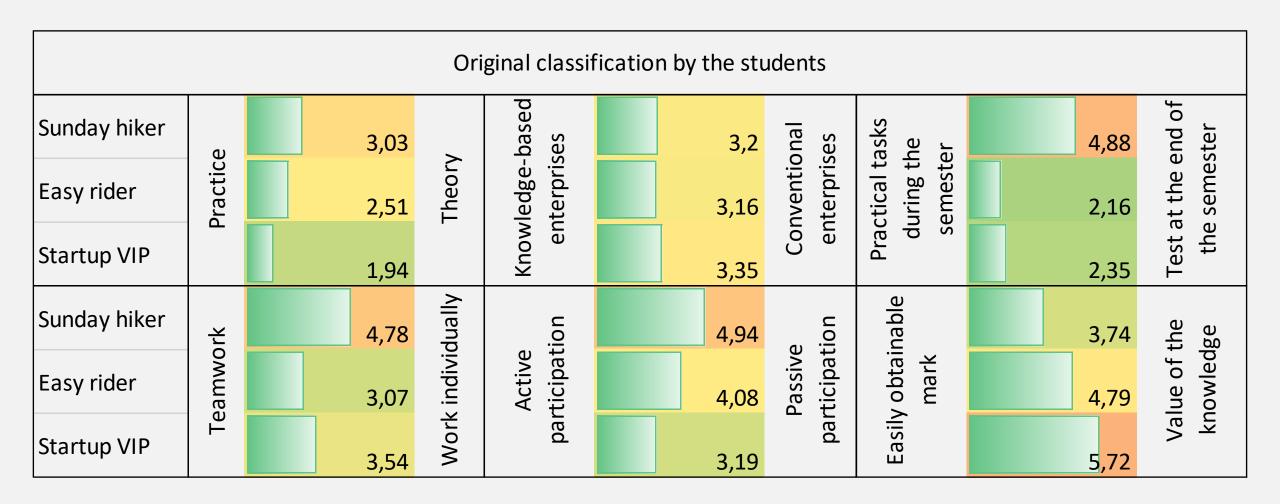
### The goals of the students by semesters



Scale transformation was used: 1-7 semantic scale to percentage



### The goals of the students by groups

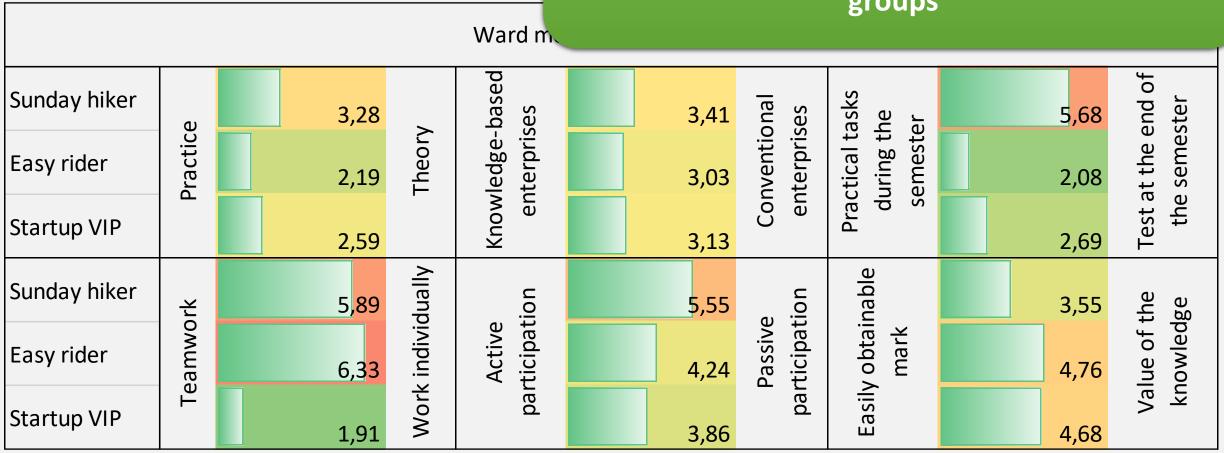






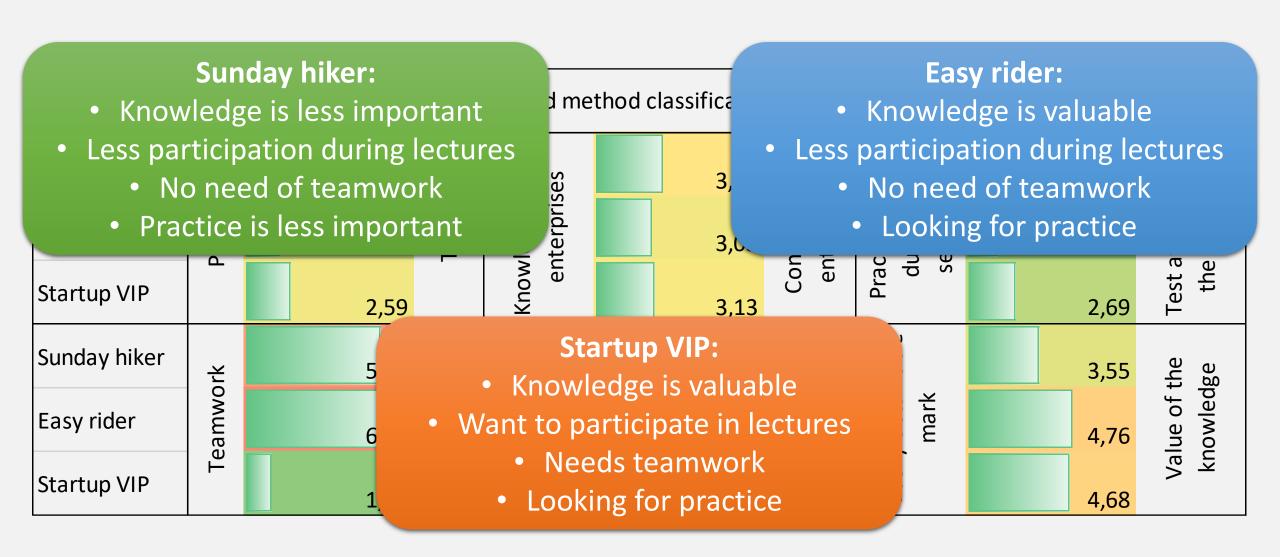
#### The goals of th

Two step hierachical clustering was performed: Single linkage method – for finding the outliers Ward method – for creating the most different groups





## The goals of the students by groups



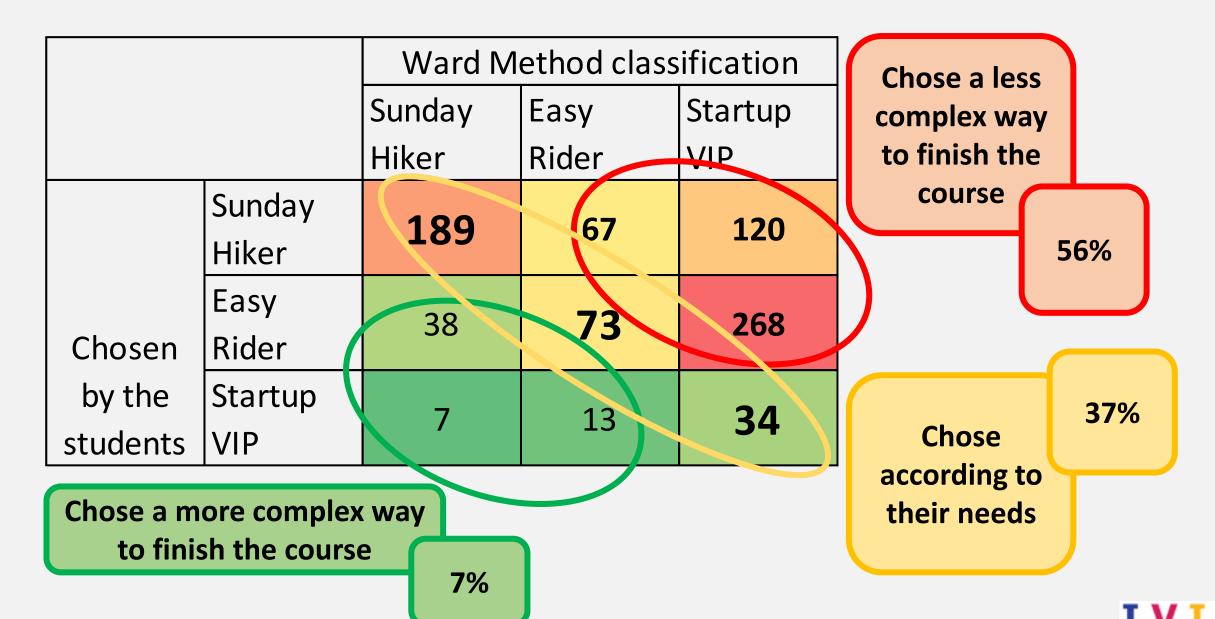


#### Differences between the classifications

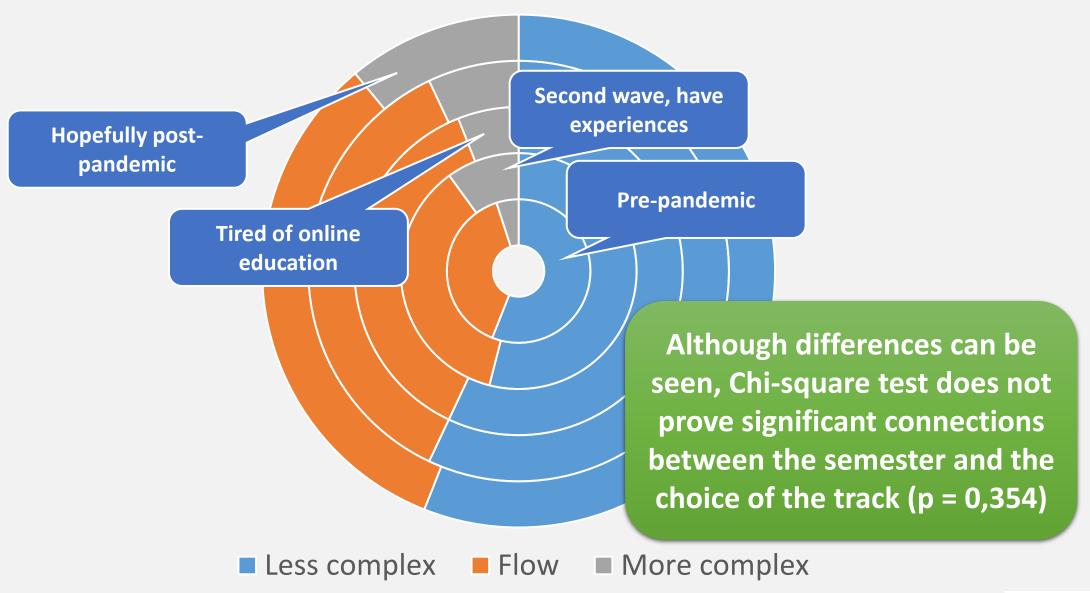
Differences of the two classifications (Ward - original)									
Sunday hiker	a	0,25		based	0,21	onal	tasks the ter	0,8	end of
Easy rider	Practice	-0,32	Theory	Knowledge-based enterprises	-0,13	Conventional enterprises	Practical tas during the semester	-0,08	Test at the end the semester
Startup VIP		0,65			-0,22			0,34	
Sunday hiker	Teamwork	1,11	dually	work Individually Active participation	0,61	Passive participation	Easily obtainable mark	-0,19	Value of the knowledge
Easy rider		3,26	indivi		0,16			-0,03	
Startup VIP		-1,63	Work		0,67			-1,04	

**Factors of differentiating** 

#### Differences between the classifications



#### Differences between the classifications

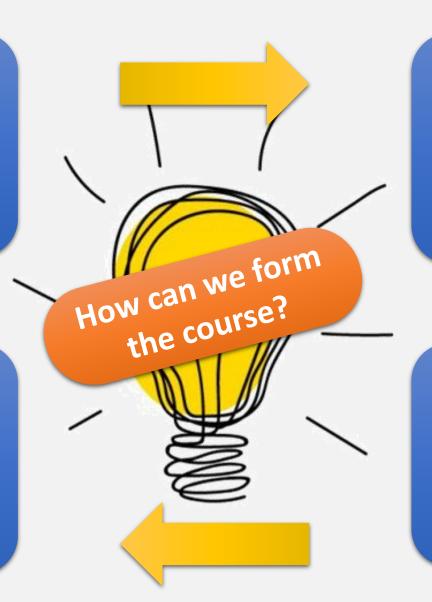




### Implications based on the primary research

Ward Method validates the original concept of different requirements

More accurate communication should help students to find the perfect way to fulfil the course



Teamwork,
participation in lectures
and the value of gained
knowledge are the
most critical factors

Differences between
Easy Rider and Startup
VIP should be more
detailed



## Implications based on the primary research

Ward Method validates the original concept of different requirer Students are not forming a homogeneus group in the case of a class about entrepreneurship help students to find the perfect way to fulfil the course



Teamwork,
participation in lectures
and the value ined

Segmentation is inevitable, and can inevitable, and can improve the efficiency of education of education

Lasy Rider and Startup
VIP should be more
detailed

# How to innovate a course on innovative startups?



Thank you very much for your attention!

Tamás Iványi, Assistant lecturer

Pál Danyi, PhD, Associate professor

János Vecsenyi, PhD, Professor Emeritus

