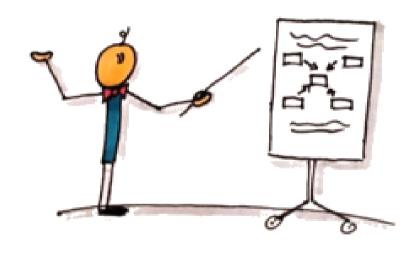
Video Games Hotives & Barriers



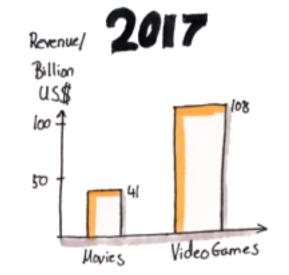
Lars Bartschaf

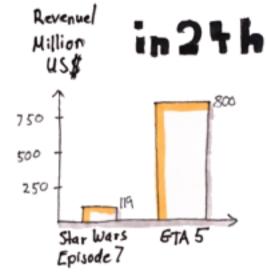
Agenda

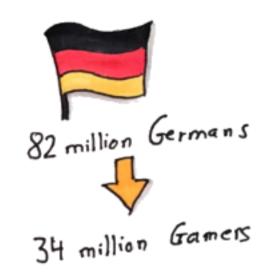
- · Introduction
- · Foundations
- . Model Development
- Hodel Validation
- · Conclusion



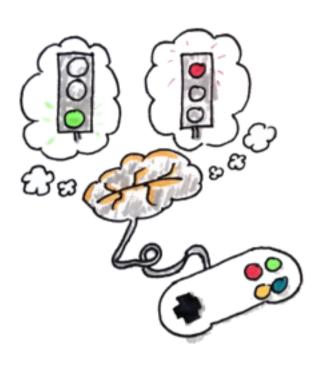




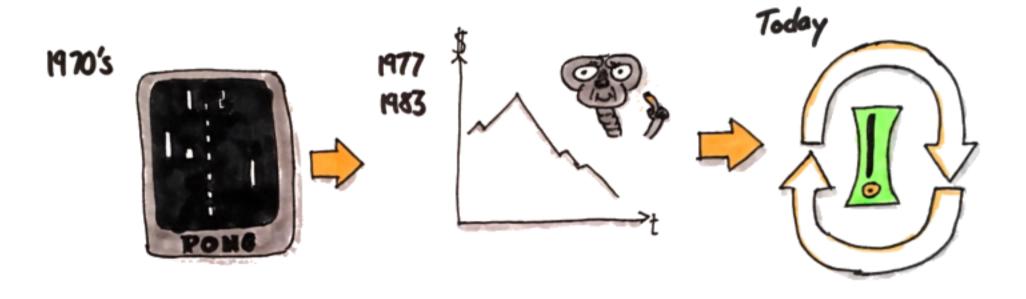


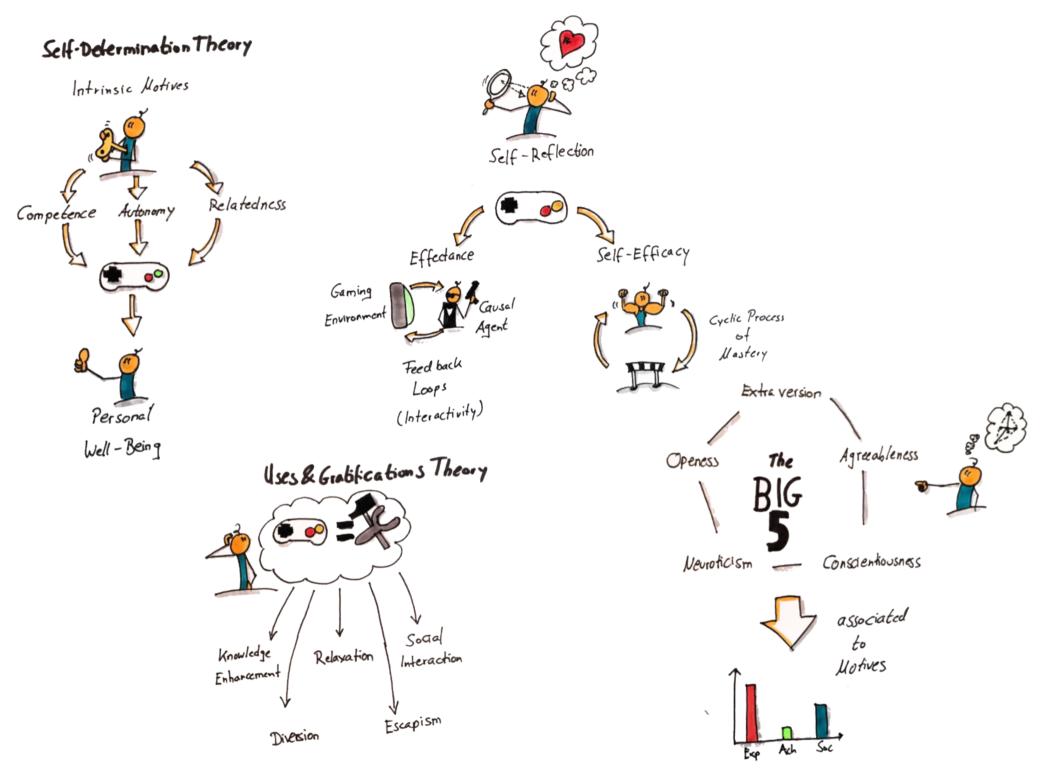






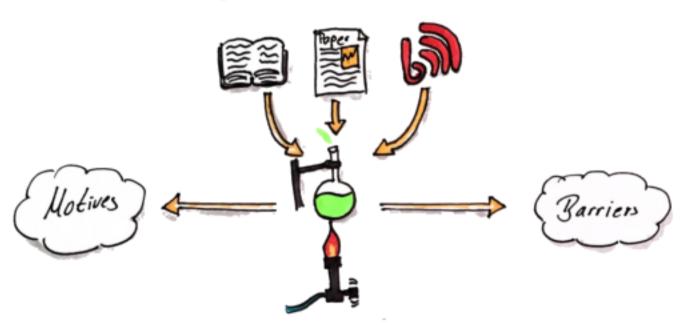
Industry Foundations





Bartle	Lazzaro	Klimmt, Hartman Sherry etal Ryanetal	Tseng Stewart Groham, Go Kallio et.cl Bill seux	isling Kahn dal.	
1996	2004 Lazzaro	2006 Ryan etcl Klimmty Hartmann	ZOII ZOIZ Kallio etal Leigh Cormichael Wong, Cheese	2015 Lovato	2017 Holmes

Literature Synthesis



Sociability



Competition



Exploration



Motives



Time Killing



1 500 mm oco

Altering Emotional States

Immersion



Achieve men t



Barriers

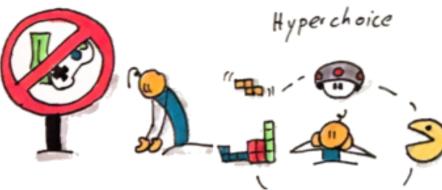
Complexity



Aesthetics



loaccessibility Game Devices



Unfamiliarity



Morality



Time Constraints



Theme



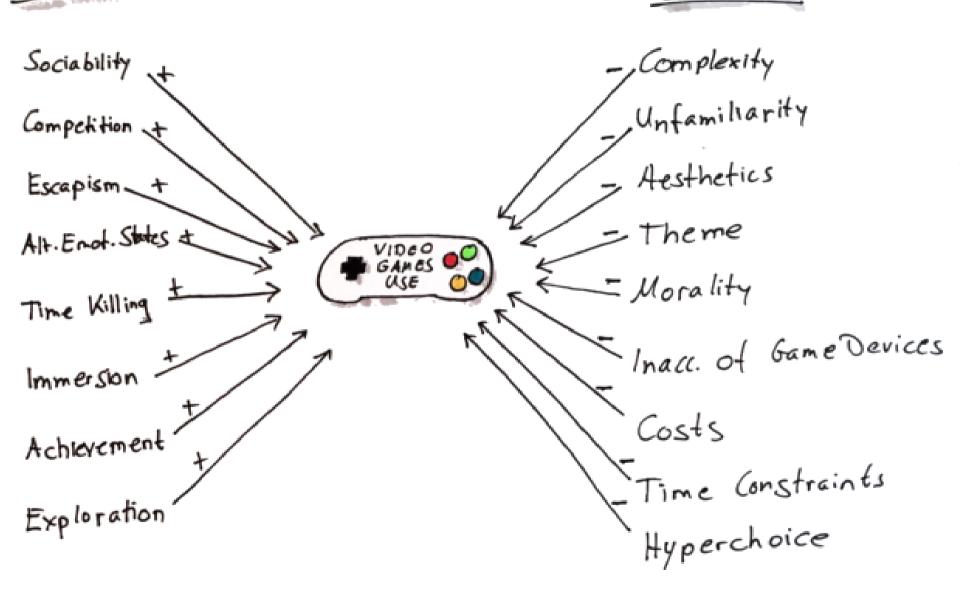
Costs



Hodel Overview

Hotives_

Barriers



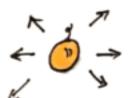
Hotives & Barriers - Direct Effects



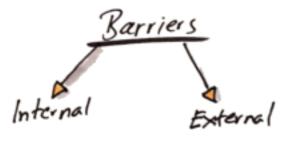


Extrovetive

Introvertive



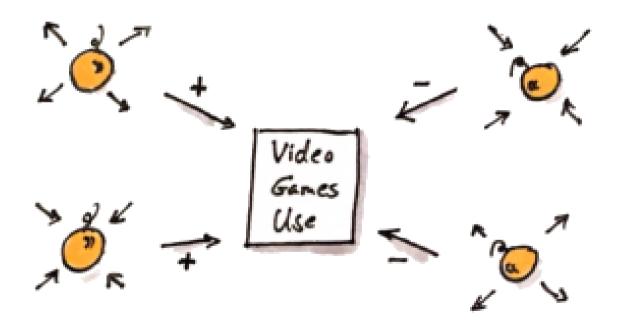




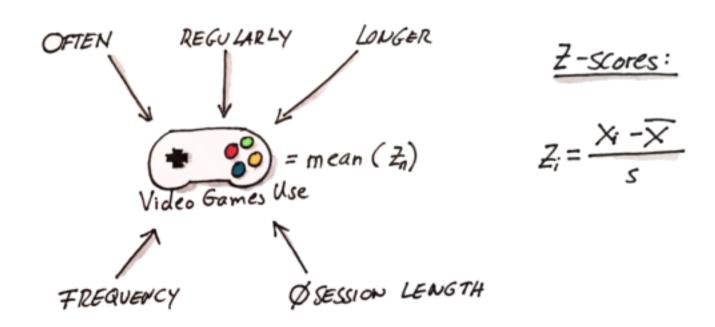




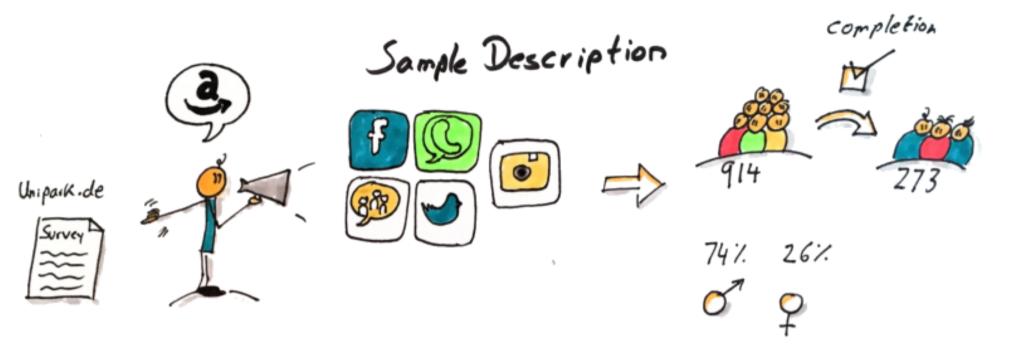
Foctorized Hodel



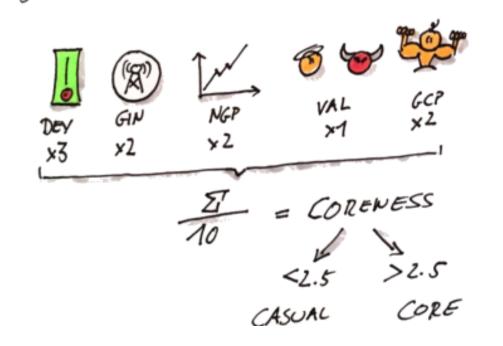
Research Hethodology Heasuring the Department Variable

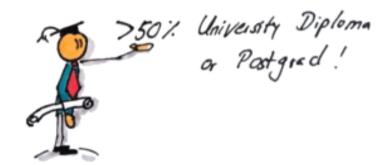


Measuring the Independent Variables

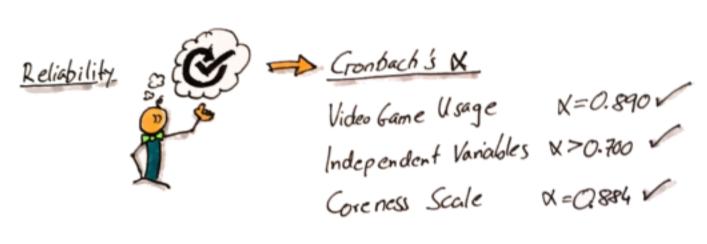


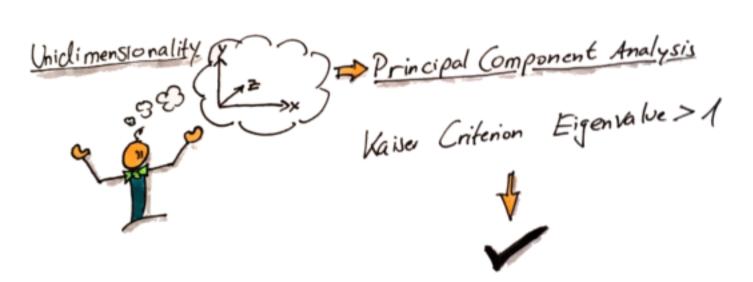
Determine the Gamer Type:





Results Reliability & Unidimensionality of Scales





Assumptions

Additive

Regression Equation:



Hodel Testing - Hodel 1

	ß	β	tstat.	P	VF	1	90	multicollineari
Intercept	-1.123		-6.020	0.000				
Competition	0.073	0.10	2.242	0.026				
Alt. Enot. St.	0088	0.120	2.095	0.037	2.917			
Time Willing	0.121	0167	30552	0.000	1.958			
mmersion	0.084	0-133	2.379	840.0	2.755			
Exploration	0-170	0.245	4.393	0.000	2.772			
Unfamiliarity	-0-170	-0-190	-3-270	0.001	2.978			
Time Const.	-0121	- 0180	-5.030	0.000	1.138			
				A				

R² (adj.) 0.694

F. Stet. 35.227

Prob. (F-stat) 0.000

Durbin-Watton 2.065

DV=Video Geme Use
N=273



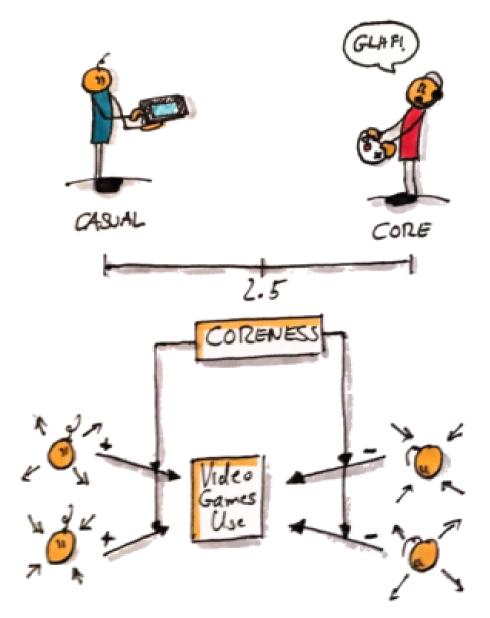
Hodel Testing - Hodel 2 (factorized)

•	2	\mathcal{B}	Estat.	P	VIF
	5	<u> </u>			
Intercept	- 0.174	434	- 2. 830	0.002	1000
Introv. Motics	0.560	0.672	18.816	0.000	1.055
Extrov. Motives	0.212	0.254	7.219	0.000	1.023
Intern. Barrier	-0.200	-0.240	-6.430	0.000	1.148
internity	O.MS	-0.138	-3932	0.045	1.015
Extern. Barrie	0.236	0-124	3.206	0.002	1.241]
Gender	0.23		0.00		
CR2	0.67	1			
oz (adi.)	0.67	1			
100 4 /	1111.761	•			
Prob. CF-stat.) 0.000	. /			
L Prob. Cr Si	~ 1.807				
Durbin - Watso	M1 7(.00	-			
De Video Ga	mes Use				
1 2090	ession A	fna lysis			
4 Key	14 /	fnalysis for Score	1		
(Wi	th tac	104 (70.	9		
u					

Adequacy of Sample?	
KM0=0.807	ľ
How many?	
Darallel Analysis	PCA.

Component	Construct	
1	Introv. Motives	
2	Inten. Rarriers	
3	Extrov. Motives	~
4	Extern. Rarries	M
E 10" (\$100 FEE)	The state of the s	

Post-Hoe Analysis - Game, Type as Moderator?



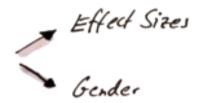
Hodel Testing - Model 3

	•	R	В	/ / /		<3 M
Interactions? Sign.	Intercept Introv. Motives Extra Motives Int. Barriers Ext. Barriers	0.007 0.373 0.124 -0.121 -0.085	0.447 0.149 0.145 0.102	0.098 9.601 4.030 -3.465 -2.736	0.927 0.000 0.000 0.000 0.001	2,026 1.348 1.763 1.211
	Coreness IA Coren x Intro Mot. C IA Coren x Extr. Mot	- 0.087 - 0.045	0.357 0.099 0.018	6.477 -2.769 -0.532	0.000 0.000 0.595	2.584
non-sig.	IA Coren. X Int. Parr. IA Coren. X Ent Barr. Gender	-0.022 -0.036 0.044	0.026	-0:37 -1:28 0.551	0.471	1.283 1.283 1.217 1.217
	/ (p²	A 724	15°1			

R² (adj) 0.734 (0.724 (0.724 (0.724 72.268 (1.962) 0.000 (1.962) 0.000 (1.962) 0.000 (1.962) 0.734 (1.724) 0.724 (1.724) 0.734 (1.724) 0.734 (1.724) 0.724 (1.724) 0.724 (1.724) 0.724 (1.724) 0.724 (1.724) 0.724 (1.724) 0.724 (1.724) 0.724 (1.726) 0.724 (1.726) 0.724 (1.726) 0.724 (1.726) 0.724 (1.726) 0.724 (1.726) 0.724 (1.726) 0.724 (1.726) 0.724 (1.726) 0.724 (1.726) 0.724 (1.726) 0.724 (1.726) 0.000 (

Discussion of Results

Model 2 - M Factors



Model D

Significant non-significant

Motives | Barriers Hotives | Barriers



Main Obstades

- · Unfamiliarity
- · Time Constraints

Model 🕔

- · Core Vs Casual
- Interaction only one
- · Coreness (effect size)

Main Drivers for Video Gaming

- · Exploration
- ·Time Killing
- · Immersion
- · Altering Emotional States
- · Competition

Sample Composition





7 24% 76%

Implications

Limitations



Februa Research



https://github.com/bartschat



- · Thesis incl. all references
- · Presentation

Contact: bartschaf@mailbox.org

