

TECHNISCHE UNIVERSITÄT CHEMNITZ	Introduction Theoretical Considerations Data and methods Results Summary and outlook Experiment in the planning stage
	 The number of people communicating via online networks rises 70% of the German teenagers uses Facebook daily or weekly Some studies find: "Facebook generates envy and discontent" Are Facebook communication and health behavior related?
	2 http://www.tu-chemnitz.de/hsw/soziologie http://www.wi.uni-bremen.de/de/

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	 Resources und stresses Social support via social capital (Rose 2000, Jungbauer-Gans 2002) Stresses and strains as a result of burdensome contacts (Meadows et al. 2008) Impact depending on the characteristics of ties Weak/strong ties (Burt 1995, Granovetter 1973) Health related social capital (Cattel 2001, Ferlander 2007) Relationship between online social networks and body weight (Durst et al. 2013)
	3 http://www.tu-chemnitz.de/hsw/soziologie http://www.wi.uni-bremen.de/de/

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	 Hypotheses Intensity-Hypothesis: The more intense the facebook usage – the stronger the wish to lose body weight Strength of ties-Hypothesis: The stronger social ties – the stronger the wish to lose body weight
	4 http://www.tu-chemnitz.de/hsw/soziologie http://www.wi.uni-bremen.de/de/

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	 Data collection 1000 participants were retrieved from the GfK Online Panel Fielded from 5th until 22nd May 2012 Quota sampling approach via gender and age Additional sample criteria: Facebook account Be willing to install the Facebook application in order to give us access to their network data
	5 http://www.tu-chemnitz.de/hsw/soziologie http://www.wi.uni-bremen.de/de/

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	 Operationalization Intensity of using online social networks Daily usage of Facebook in minutes Number of ego initiated Wallpost etc. Characteristic of network contacts Share of contacts that exist in the real world weak/strong ties Methods Logistic Regressions: wish to lose body weight (yes/no) All users Only if BMI > 30 Only for normal BMI 20-26
	6 http://www.tu-chemnitz.de/hsw/soziologie http://www.wi.uni-bremen.de/de/

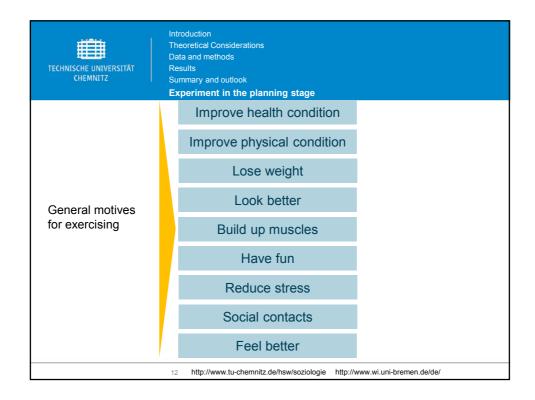
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wish to lose		all	only for BMI 30+	total of normal BMI 20-26
body weight	Age	0.017*	0.034***	0.002
(1=yes)	nge	(2.551)	(4.327)	(0.225)
	Male	-0.858***	-0.207	-1.416***
	1410	(-5.705)	(-1.069)	(-7.021)
	educ (in years)	0.031	-0.090*	0.033
		(1.019)	(-2.514)	(0.790)
	Facebook usage in min.	0.003*	0.005***	0.002
		(2.126)	(3.718)	(1.188)
	homogenous network (educ)	-0.045	-0.048	0.094
		(-0.303)	(-0.249)	(0.460)
	BMI 20-26	-1.114***		
		(-7.379)		
	Number of contacts	0.000	0.001	0.000
		(0.466)	(1.122)	(0.178)
	Contacts exist (ref: virtu		-0.061	0.626*
		(-1.987)	(0.242)	(-1.985)
	weak ties (ref: medium)	0.185	-0.091	0.108
		(0.926)	(-0.356)	(0.392)
	strong ties (ref: medium)	0.167	-0.276	0.099
		(0.535)	(-0.659)	(0.246)
	Constant	0.812*	-3.163***	0.565
		(2.368)	(-7.581)	(1.299)
	p	0.000	0.000	0.000
	N	924	924	480
	0/1	342/582	784/140	237/243

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wish to lose body weig + additional informatio		ook account		
	all	only for BMI 30+	total of normal BMI 20-26	
Sum of Ego-initiated Wall-P	·. 0.001	0.003**	-0.001	
	(1.548)	(3.161)	(-0.628)	
Number of listed friends	0.261 + (1.721)	-0.109	0.254 (1.302)	
Constant	0.382	(-0.586) -3.152***	0.203	
constant	(0.994)	(-6.753)	(0.420)	
	0.000	0.000	0.000	
p N	904	0.000 904	0.000 469	

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	 The more intense the Facebook usage, the stronger is wish to lose body weight The higher the share of friends that exist in the real word, the stronger is wish to lose body weight Online social networks affect health behavior → approaches to behavioural prevention may be useful Outlook: a randomized controlled experiment is in the planning stage: does a smartphone app help losing body weight?
	9 http://www.tu-chemnitz.de/hsw/soziologie http://www.wi.uni-bremen.de/de/

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	 The prototype of an app to help losing body weight was programmed by master students (business informatics, FAU Erlangen-Nuremberg) The effect of the app should be tested in a randomized controlled trial IFB AdiposityDiseases (BMBF) provides the access to 3000 obese people must lose weight because of medical reasons
	 they are under regular medical supervision People showing BMI 22-27 who wish to lose body weight are recruited via GFK access panel
	10 http://www.tu-chemnitz.de/hsw/soziologie http://www.wi.uni-bremen.de/de/

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	 Designing a mobile App Self-evaluation is done by comparison to others with similar opinions and abilities The importance of an opinion or ability has an impact on the drive for evaluation Upward and Downward Comparison Upward comparison inspires to do better but might lower self-esteem Downward comparison reduces the motivation but boosts self-esteem
	11 http://www.tu-chemnitz.de/hsw/soziologie http://www.wi.uni-bremen.de/de/



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	13 http://www.tu-chemnitz.	de/hsw/soziologie http://www.wi.uni	bremen.de/de/

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	14 http://www.tu-chemnitz.de/hs	sw/soziologie http://www.wi.u	ni-bremen.de/de/

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Friend's Profile Picture Upward and Downward Comparison /	BAS Standard Standard Carreport/Zn For an an Carreport/Zn Car	7 143 % all the limit of the l	Stats Self-Assessment
Dynamic Distance Line Self-Enhancement / Self-Improvement	Serritivi Brizz Notine Verginiti Diss Kerve 1 Esti Suc: -1 2 Sel Suc: -1 1 5 http://www.tu-chemnitz	1000 Block	Gender Selection Similar vs. dissimilar

