I'm not robot	
	reCAPTCHA
	I'm not robot

I'm not robot!

## Operational definition of variables example

Operational definition of variables. Operational definition of variables in research examples.

An operational definition of a variable describes: What is observed. What is measured. These definitions are written quantitatively using: length, width, height, etc. timedistancetemperaturenumerical value of something of what an operational definition is, consider the following example: Researchers in sports medicine and

Decrease in users' knowledge due to the complexity of new I devices

Privacy violation by IT devices

Threat to users' work safety with the emergency of new IT described increase in negative viewpoints due to the continued change update of IT devices

ing Education for information technology users

The IT experts should encourage users to frequently use infor & telecommunications technology; supply of technical supports as 'help desk' to solve possible problems

Use of information technology to handle tasks or get involves colleagues during non-work hours

Users' direct participation during the system design or

exercise physiology study the effects of various variables on a person's endurance

Operational Definition

Difficulties in maintain work-life balance due to heavy work

Each researcher might decide on a different way of measuring this variable. For example, if an experiment was conducted to test the effects of Vitamin E on endurance, might be operationally defined in ways such as: The distance a person could run without stopping. The number of hours a person could stay awake. The number of jumping jacks a person could do before getting tired. Operationalization means turning abstract concepts into measurable observations.

Name of variable

Market Value of sixels

Independent

The price as which a security is unaling and could presumably be purchased or said. What is under the sixels as the said is a country in unaling and could presumably be purchased or said. What is under the sixels as the said is under the sixels as the sixels.

Book value of stocks

Independent

The book value of a sixel is the value of its said as sixel as a sixel is the value of its said as sixel as a sixel is a sixel as a sixel as a sixel is a sixel as a s

k

implementation stage

Although some concepts, like height or age, are easily measured, others, like spirituality or anxiety, are not. Through operationalization, you can systematically collect data on processes and phenomena that aren't directly observable. Operationalization example: self-rating scores on a social anxiety scale number of recent behavioral incidents of avoidance of crowded places intensity of physical anxiety symptoms in social anxiety symptoms. For example, and increases the reliability of your study. Sour

A. Independent 1. Size of the board Size board member responsible  $\Sigma$  The Board of Directors for the performance and management of directors (X1) 2. Size of the audit Group of people appointed by the ∑ Audit Committee for helping the auditor to keep the independency of the management 3. Institutional Number of shares owned by the (institutional ownership ownership (X3) institution of the total shares outstanding stock) x 100% outstanding. Including institution ownership shares owned by company the shares are owned by the outstanding stock) x 100% management of the company who actively participate in the making Financial performance is measured by the profitability ratio, which focuses on the company's ability to get profit. (Income after taxes: Total Financial Performance as measured by using Return On Assets (ROA)

urce: Issarawornrawanich (2015), Xie et. al (2003), Ahmad and Jusoh (2014), Andow and David (2016)

Source: Processing data, 2019.

1. Identify the main concepts you are interested in studying. Based on your research question: Sleep Social media behavior 2. Choose a variable to represent each of the concepts may each have many variables, or properties, that you can measure. For instance, are you going to measure he amount of sleep Out of sleep Social media use in teenagers. Which is the social media use in teenagers which is the social media use in teenagers use social media use in teenagers use social media use in teenagers use social media use in teenagers. Which is the social media use in teenagers which is the social media use in teenagers. Which is the social media use in teenagers. Null hypothesis (Ha or H1): Lower quality of sleep is related to higher night-time social media use in teenagers. Null hypothesis (Ho): There is no relation between quality of sleep and night-time social media use in teenagers. Null hypothesis (Ho): There is no relation between quality of sleep is related to higher night-time social media use in teenagers. Null hypothesis (Ho): There is no relation between quality of sleep and night-time social media use in teenagers. Null hypothesis (Ho): There is no relation between quality of sleep is related to higher night-time social media use in teenagers. Null hypothesis (Ho): There is no relation between quality of sleep is related to higher night-time social media use in teenagers. Null hypothesis (Ho): There is no relation between quality of sleep is related to higher night-time social media use in teenagers. Null hypothesis (Ho): There is no relation between quality of sleep pand night-time social media use in teenagers. Null hypothesis (Ho): There is no relation between quality of sleep pand night-time social media use in teenagers. A calculation of the pand night-time social media use in teenagers. It is necessary to the pand night-time social media use in teenagers. It is necessary to the pand night-time social media use in teenagers. It is n

Variable	Variable definition	Ratio	Scale
Credit risk (NPL) (X1)	Credit repayment rate given by a depositor to the bank	NPL	Ratio
Market risk (NIM) (X2)	The ratio of interest rate to average earning assets	NIM	Ratio
Liquidity risk (LDR) (X3)	The ratio describing the capability of deposits in lending support	LDR	Ratio
Operational risk (BOPO) (X4)	Comparison of operational costs and operational income	ВОРО	Ratio
Financial performance	The ratio of profit after	ROA	Ratio

Many concepts vary across different time periods and social settings. For example, poverty is a worldwide phenomenon, but the exact income-level that determines poverty can differ significantly across countries. Operational definitions can easily miss meaningful and subjective perceptions of concepts by trying to reduce complex concepts to numbers. For example, asking consumers to rate their satisfaction with a service on a 5-point scale will tell you nothing about why they felt that way. Context-specific operationalizations help preserve real-life experiences, but make it hard to compare studies if the measures differ significantly. For example, corruption can be operationalized in a wide range of ways (e.g., perceptions of corrupt business practices, or frequency of bribe requests from public officials), but the measures may not consistently reflect the same concept. Other interesting articles If you want to know more about statistics, methodology, or research bias, make sure to check out some of our other articles with explanations and examples. Frequently asked questions about operationalization What is operationalization means turning abstract conceptual ideas into measurable observations. For example, the concept of social anxiety symptoms in social anxiety symptoms in social anxiety symptoms in social anxiety symptoms in social situations of the concept, variables are to encept of social anxiety symptoms in social situations of the concept (e.g., performance at school), while indicators? In scientific research, concepts are the abstract ideas or phenomena that are being studied (e.g., each operational achievement). Variables are indicators is called operationalization. If you want to cite this source, you can copy and paste the citation of click this Scribbr article button to automatically add the citation of concepts.

Intelligence	Score on the Verbal SAT test (a standardized test)	550
Age	Response to questionnaire (a self-report measure)	21
Intelligence	Speed of repairing engine (a behavioral definition)	2 hrs
Intelligence	Number of hairs on left thumb (a stupid definition)	7

Variable Operational definition Value

(2023, June 22). Operationalization | A Guide with Examples, Pros & Cons.

Scribbr. Retrieved June 27, 2023, from "Researchers H. Heilman, Ph.D. and C. Peus, Ph.D. used a multidimensional framework to assess how people view men and women consistently ascribe the same characteristics to each gender." Give it a whirl, take the "test." What do YOU think about how they have operationalized the concept of gender? Humor me and read the information below the start of the questions when you visit that link. This second link takes you to a different test but of the same basic concept. This is the one I referenced as "Bem's Sex Role Inventory." Ok, so take this one too (it really doesn't take long, I promise). What do you think about the questions? Did you "score" the same? If not, why do you think that is? What does that say about operationalizing the concept? In future chapters I'll ask you to think about what this would say about results and implications! I know - you are so excited!! First image is coordinates (IN the blue box), second is Bem's (under the blue box)