

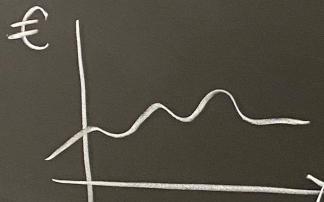
20230517. w1. MPW2/MV2

## I Digitalisierungsstrategien

II SOZIO-TECHNISCHE SYSTEME  
SYSTEMATISCHE VARIABILITÄTS-  
MINDERUNG (PROZESS) ZU ERZIELEN

①

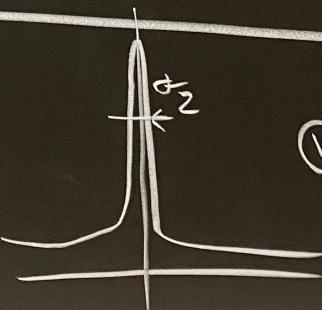
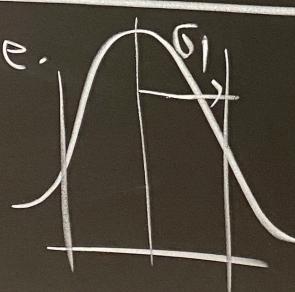
$$\text{KENNZAHNL} \equiv \text{KPI} \equiv f(t)$$

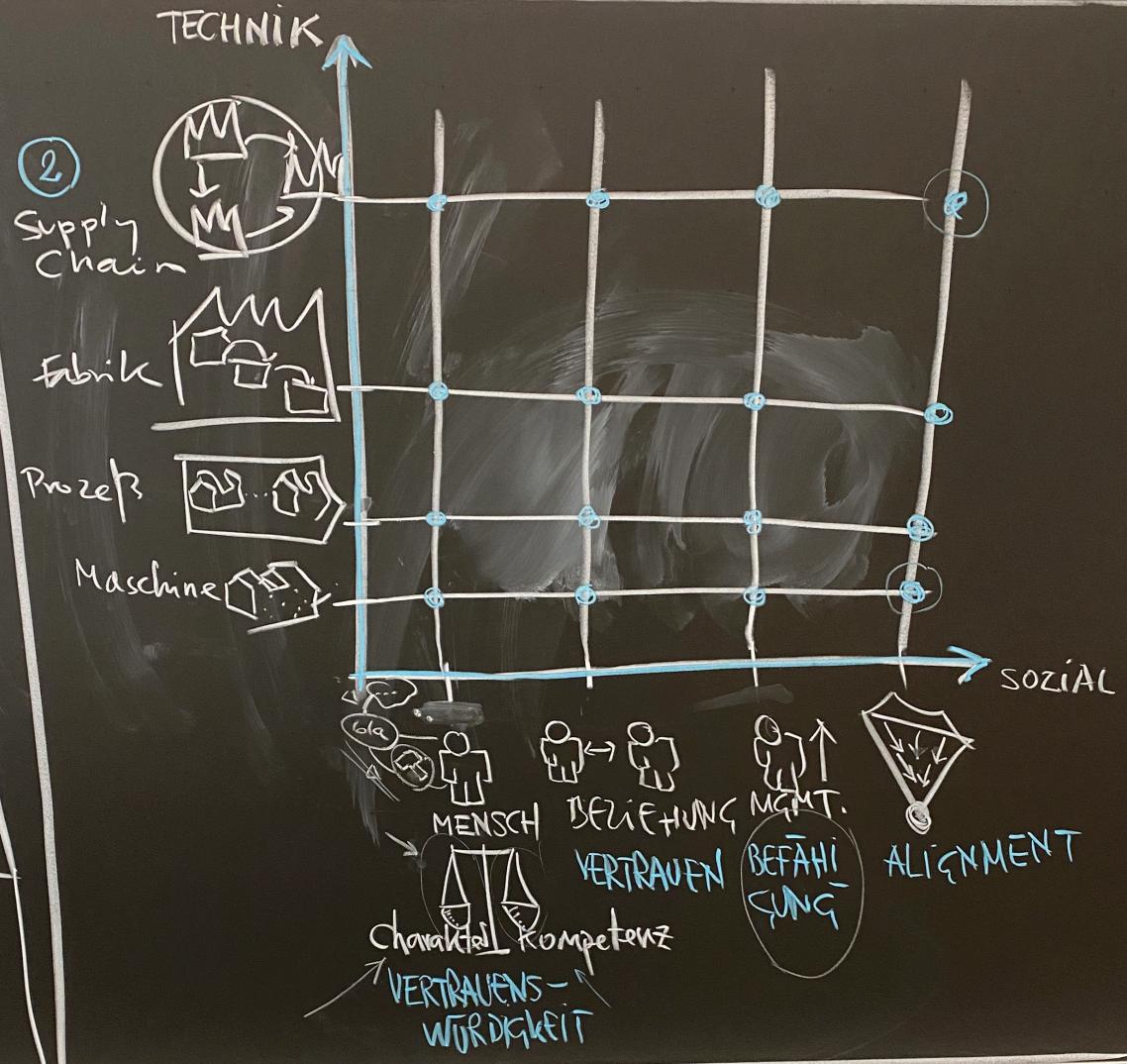


standard  
Abweichung  
Senkung

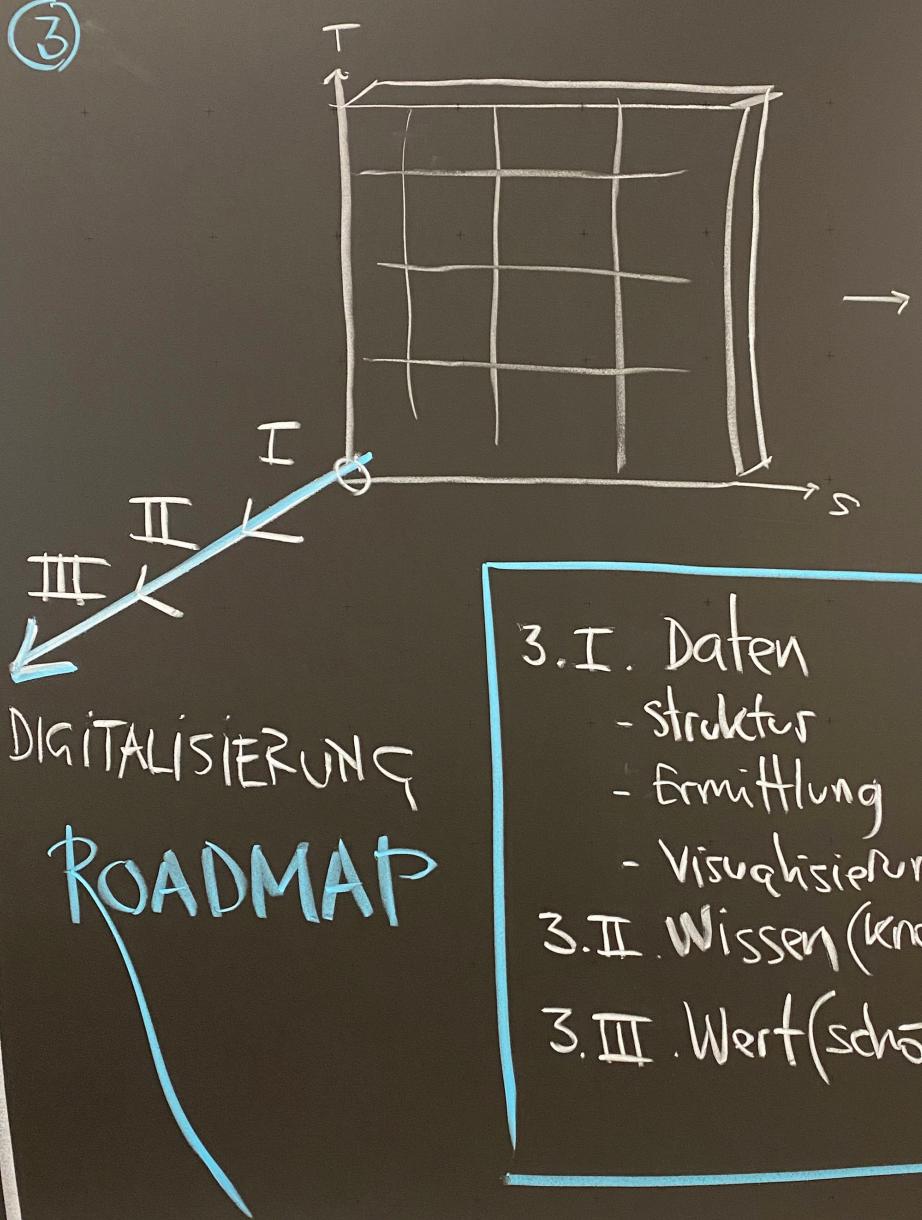
$$\sigma = \sqrt{\frac{\sum (x_i - \bar{x})^2}{n-1}}$$

i.e.





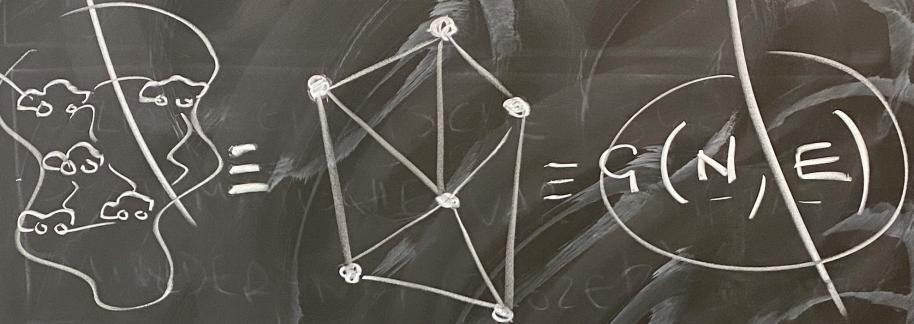
③



- 3.I. Daten
- Struktur
  - Ermittlung
  - Visualisierung
- 3.II. Wissen (knowledge)
- 3.III. Wert (schöpfung)

# ROADMAP DIGITALISIERUNG

SENSOR

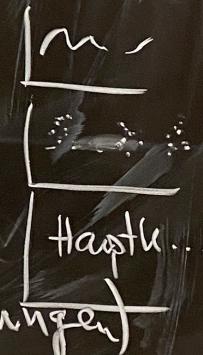


$N = \text{Knoten} = \text{SENSOREN}$   
(RFID, Wearables, Natur, ...)

$N$	$E$	$WPI_1$	$WPI_2$	$WPI_3$
1	$\rightarrow$	2		
2	$\rightarrow$	1		
1	$\rightarrow$	3		
1	$\rightarrow$	5		
	:			

$E = \text{KANTEN} = \text{Verbindungen}$   
(5G, LTE, ...)

APL/CC



WISSEN

WEERTSCHÄFTSFUNKTION (Entscheidungen)