

Role of Positive Feedback in Employee Well-Being
Working With an Intelligent Assistant in Manufacturing Sector

Akshay Chikhalkar

- Introduction
- Hypothesis
- Methodology
- Discussion
- Questions



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### What is well-being?





Combination of physical, mental, emotional and social health factors



Meaningful positive outcome



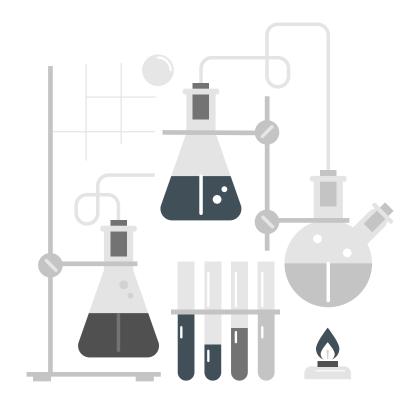
Achieved through practising healthy habits



#### Related Studies



- Focused on Education, Finance etc.
   Domains
- Supervisor or Manager's point of view
- Well-being is related to Feedback
- Feedback characteristics are not discussed



### Focus of the study



- Manufacturing sector
- Working with an intelligent assistant
- Relation between Affect & Authentic
   Pride (Well-being) and
   Positive Task Feedback (Valence)



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#### Hypothesis



"The Positive task feedback would be associated with an increase in well-being"

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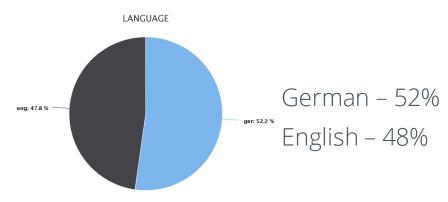
#### Online Survey

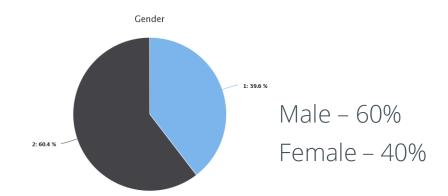


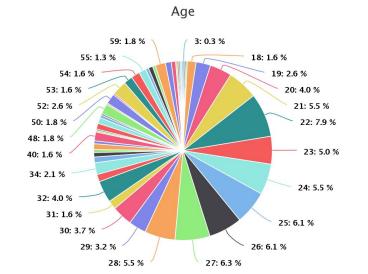
- Three questionary set
- One for significance two for Feedback
- 40%-40%-20% distribution
- Response recorded on Likert Scale (1 to 7)



## Data Analysis



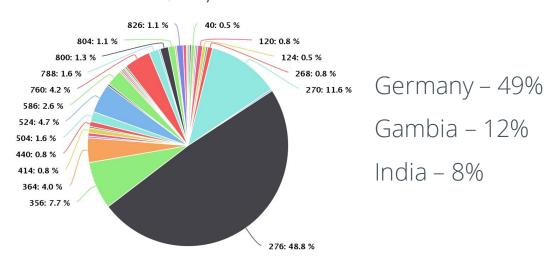






Between 18 to 40 years

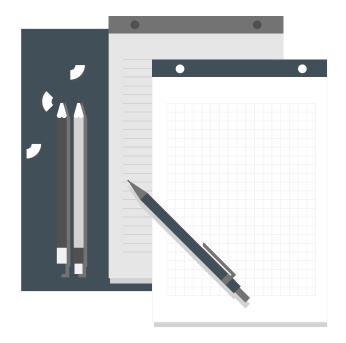
#### Country



#### Data Preparation



- Concentration on a questionary set-1 data set
- Remove the control group from the valence
- Average of variables Satisfied, Successful,
   Confident (positive affect)



### Data Reliability



- The Unidimensional Reliability Test
- Cronbach's α lies between 70% to 95%



## Comparing well-being and positive feedback



- Why independent sample T-Test?
  - Two independent groups
  - Scaled in intervals (1-7)
  - Normally distributed
- Independent variable Valence (Positive Task Feedback)
- Dependent variable Well-being (Affect & Authentic Pride)

#### Group Descriptives ▼

	Group	N	Mean	SD	SE	Coefficient of variation
Well-being	1	82	5.008	1.468	0.162	0.293
	2	82	4.435	1.753	0.194	0.395

#### Independent Samples T-Test ▼

	Test	Statistic	df	р	Mean Difference	SE Difference
Well-being	Student	2.271	162.000	0.024	0.573	0.252
	Welch	2.271	157.147	0.025	0.573	0.252

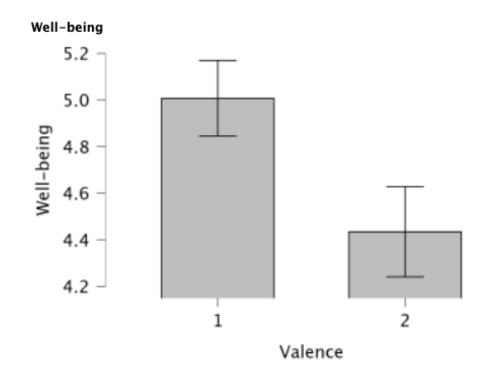
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#### Discussion



- Reliable data, Cronbach's α lies between
   70% to 95%
- P-value is less than 0.05 (5%)
- The alternative hypothesis is accepted
- Well-being (Affect & Authentic Pride)
  increases as positive feedback (Valence)
  grow



# Summary

- Introduction
  - What is well-being?
  - Related Work
  - Study Focus
- Hypothesis
- Methodology
  - Online Survey
  - Data Analysis
  - Data Preparation
  - Data Reliability
  - Why Independent Sample T-Test?
- Discussion

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## Questions









# Thank you!