

TODAY

- Data Analysis Lab
- Hot Topics
- Personas
- Research Paper

Lab 2: Data Analysis

- In teams
 - Start creating an affinity diagram to describe Boston residents' experiences with the housing market & government services
 - Cut out quotes that represent one idea, feeling, opinion, etc.
- Observe other teams' analysis
 - $-\frac{1}{2}$ of your team will visit another team and observe their analysis
 - Pay particular attention to the
 - 3 types of goals (experience, end, life)
 - Emergent behavioral variables & variation
 - Report back what was learned (empirically, methodologically)

Lab 2: Data Analysis

- Team pairings: data sharing
 - Teams 1 & 2
 - Teams 3 & 7
 - Teams 4, 5 & 6

REMEMBER

- Normal to feel overwhelmed
- More than one way to build affinity
 - Goal: reveal new & useful design insights
- Go beyond surface-level themes
 - E.g. Likes/dislikes, basic discussion of a feature/place/thing
- No one owns the wall
 - Collaborative building

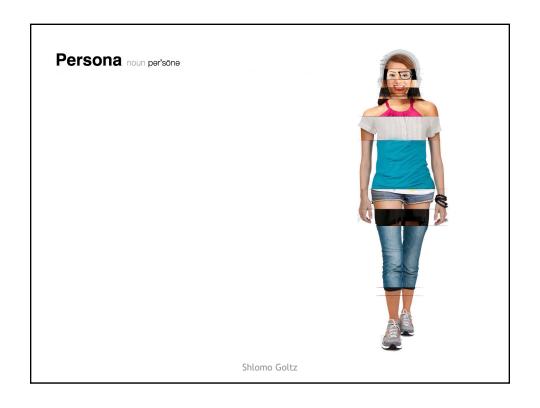
If you design for everyone, you make no individual happy.

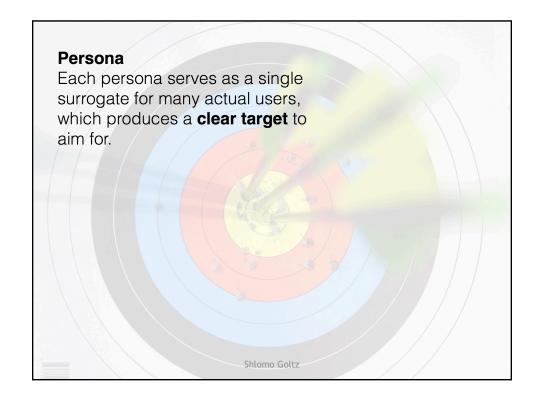


You can design for specific types of users.



Shlomo Goltz





PERSONAS: HISTORY

- The Inmates Are Running the Asylum, Alan Cooper (1998)
 - 1 chapter → huge impact on sofware design industry
 Power + effectiveness
- Based on experiences as a software inventor, architectural consultant and the design consulting work
- Kathy
 - a key informant interviewed while beginning planning work for software development project
 - project management program
 - Successful; became model for Microsoft Project

PERSONAS: HISTORY

"As I walked, I would engage myself in a dialogue, play-acting a project manager, loosely based on Kathy, requesting functions and behavior from my program. I often found myself deep in those dialogues, speaking aloud, and gesturing with my arms.

Some of the golfers were taken aback by my unexpected presence and unusual behavior, but that didn't bother me because I found that this play-acting technique was remarkably effective for

- cutting through complex design questions of functionality and interaction,
- allowing me to clearly see what was necessary and unnecessary
- and, more importantly, to differentiate between what was used frequently and what was needed only infrequently."

https://www.cooper.com/journal/2008/05/the_origin_of_personas

PERSONAS: HISTORY

- Later...
 - A project with Sargeant Technologies
 - Where Alan Cooper was no longer the developer
 - Had to communicate insights learned from interviews to dev team

PERSONAS: HISTORY

- Technique perfected at Cooper Design
 - Counseled to keep a secret
 - "Personas were so simple, clear, and powerful that it seemed only a matter of time before other practitioners discovered the technique for themselves.

When this happened, I would lose my competitive advantage anyway, but if I disclosed what I knew about personas, at least I could receive some credit for contributions to an industry that I loved.

This is what prompted me to write about personas in *Inmates.*"

PERSONAS: CRITICISM

- "Forget about personas." Don Norman
- "We don't use personas. We use ourselves."
 37signals
- "What is actionable about a persona?"
 Robert Hoekman Jr
- "Personas are user-centered bull****."
 Steve Portigal

Elizabeth Bacon & Steve Calde • Catalyze, July 23, 2008

PERSONAS: CRITICISM

- Personas are fluffy!
- Personas are **expensive**!
- Personas don't design my product for me; they aren't actionable
- Personas really **cramp my style**; I just want to design what I like
- How is understanding **today's users** going to help me **innovate** a new product?

Elizabeth Bacon & Steve Calde • Catalyze, July 23, 2008

PERSONAS: CRITICISM

- Hard to determine whether personas have been developed using real data and if so, how many users each persona reflects
 - Hard to judge generalizability / applicability of persona to target user populations
- Curse of dimensionality
 - "As the specificity of a persona increases (i.e., its number of features, or dimensionality), the proportion of the population that it represents decreases"

Chapman, C. N., & Milham, R. P. (2006, October). The personas' new clothes: methodological and practical arguments against a popular method. In *Proceedings of the human factors and ergonomics society annual meeting* (Vol. 50, No. 5, pp. 634-636). SAGE Publications.

PERSONAS: CRITICISM

- Cannot be sufficiently verified
 - How can we determine if personas are accurate?
 - No demonstrable validity
- How ensure that personas are applied appropriately?
 - When transferred between and across teams
 - Ensure "correct" inferences are made?

Chapman, C. N., & Milham, R. P. (2006, October). The personas' new clothes: methodological and practical arguments against a popular method. In *Proceedings of the human factors and ergonomics society annual meeting* (Vol. 50, No. 5, pp. 634-636). SAGE Publications.

WHY USE PERSONAS?

- Build empathy
- · Develop focus
 - Set priorities
- Support brainstorming
 - Imagine what could engage users & what might offend or cause distrust
 - Determine if a single UI is sufficient or if multiple are needed
- Communicate findings & form consensus
- Make and defend decisions
 - Choosing amongst design alternatives
- Measure effectiveness

https://msdn.microsoft.com/en-us/magazine/dd569755.aspx https://www.smashingmagazine.com/2014/08/a-closer-look-at-personas-part-1/

How And Why Do Personas Work?

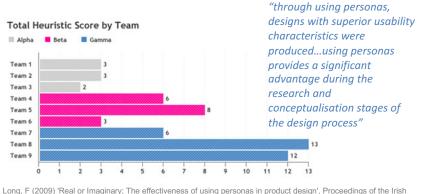
Personas are leverage and activate core human abilities:

- Narrative practice
 - Ability to create, share and hear stories.
- Concrete thinking
 - People often relate better to and remember tangible examples, rather than abstractions.
- Theory of mind (folk psychology, philosophy)
 - Ability to predict another person's behavior by understanding their mental state.
- Empathy
 - Ability to understand, relate to and even share the feelings of other specific people.
- Experience-taking
 - Ability to have the "emotions, thoughts, beliefs and internal responses" of a fictional character when reading or watching a story.

https://www.smashingmagazine.com/2014/08/a-closer-look-at-personas-part-1/

ARE PERSONS EFFECTIVE?

- Much anecdotal evidence from design leaders
- Little empirical evaluation



Long, F (2009) 'Real or Imaginary; The effectiveness of using personas in product design', Proceedings of the Irish Ergonomics Society Annual Conference, May 2009, pp1-10 Dublin.

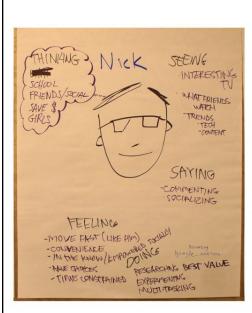
InstanceEndEditable

EMPATHY MAPS

- Lean UX approach
 - quickly document user needs, visually
 - like personas, provide insights into users' challenges and areas for design to make a difference
 - Work best when based on real data

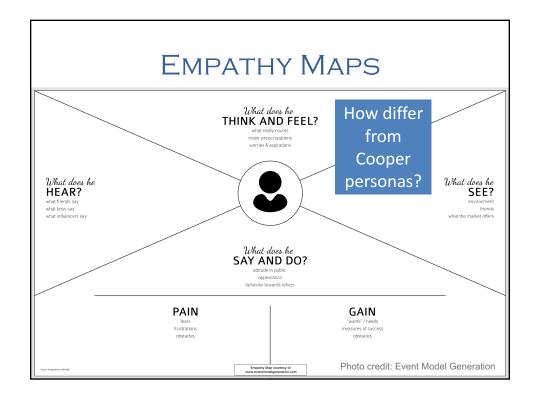
EMPATHY MAPS

- 4 quadrants (per user group)
 - Say: What are key words or quotes that help define what your user has communicated?
 - Thoughts: what is the user thinking? Beliefs?
 - Do: What behaviors or actions were observed or described?
 - Feel: What emotions was the user expressing or describing?
- Also
 - Problems: pain points
 - Goals: what the user wants to achieve/accomplish
 - "The user needs a way to ______ because





https://www.uxpin.com/studio/blog/the-practical-guide-to-empathy-maps-creating-a-10-minute-personal and the property of the compact of the property of the p



FROM AFFINITY DIAGRAMMING TO PERSONAS

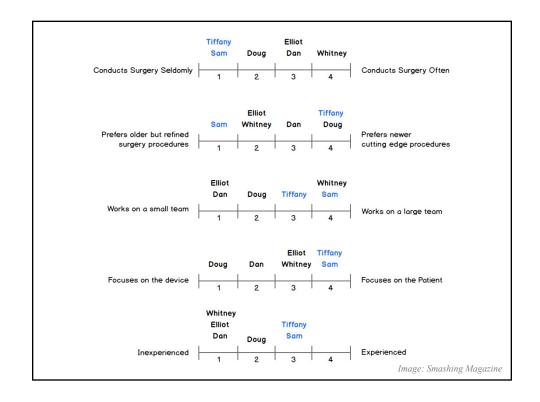
- Step 1: Grouping by roles/archetypes
 - Look @ themes in data that highlight broad user groupings
- Step 2: Identify behavioral variables
 - Look @ themes
 - Activities, Attitudes, Aptitudes, Motivations, Skills
 - Subcategories can represent points on variable spectrum

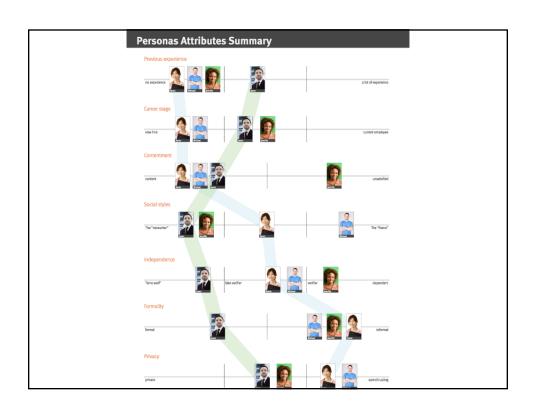
FROM AFFINITY DIAGRAMMING TO PERSONAS

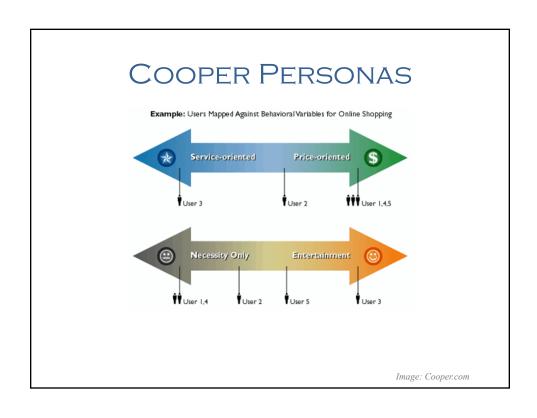
- Step 3: Map interview subjects to variables
 - Review analysis & transcripts
- Step 4: Identify significant behavior patterns
 - Go beyond superfluous patterns
 - Look @ analysis to examine how variables relate
- Step 5: Synthesize characteristics and define goals
 - By looking @ data to identify experience/end/life goals & relevant contextual, attitudinal etc. factors

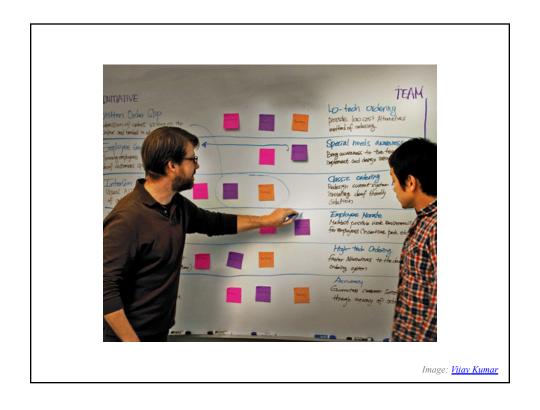
FROM AFFINITY DIAGRAMMING TO PERSONAS

- Step 6: Check for redundancy & completeness
 - Gaps? Important findings from analysis not represented in personas?
 - Need to collect more data?
- Step 7: Designate persona types
 - Primary: what was most thoroughly represented in your data?
- Step 8: Expand description
 - Details should come directly from your analysis









Jason Sudlow

Strategy Consultant at a major professional services firm | 27 years old



BACKGROUND

- » With the company for two years
- » Worked at a smaller firm after college
- » Earned an MBA before landing current job

DEVICES

To get to the top,
you have to make use
of all your connections —
but make sure to watch out for yourself

THE LAST TIME I HAD A QUESTION...

...I immediately tried to think of who I knew that would be able to answer my question by going through my Outlook address book. I found a former project member and gave her a phone call to schedule an informal meeting over lunch. I rely on my network of contacts to help me with areas of expertise I am unfamiliar with even though I prefer working alone so that I can demonstrate my individual strengths.

FRUSTRATIONS

- » People discovering my weaknesses
- Blurring of social and work life
- » Sharing too much of my hard-earned knowledge with others in the company

LIFE GOA

- " Enjoy an active social me
- » Appear well-connected to others
- » End up at a C-level position
- Be financially secure while enjoying life's luxuries

EXPERIENCE GOALS

- » Feel in contro
- » Take pride in my mastery of the tools
- » Don't waste time with the tool

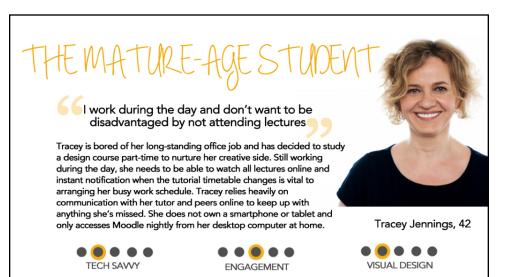
END GOALS

- » Obtain enough information to allow me to
- » Get assistance with keeping track of who I know and how I know them

GOALS

Lectures easily accessable SMS updates

Intuitive interface



FRUSTRATIONS

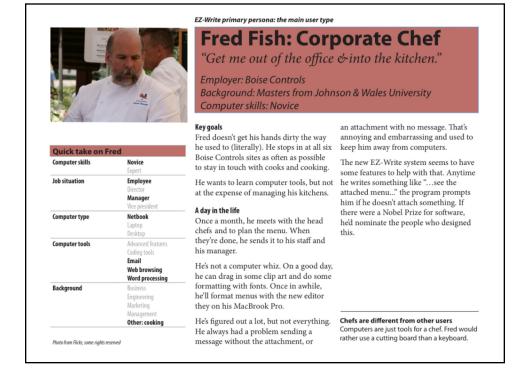
Difficult to navigate

Lectures not always recorded

No SMS updates

BACHELOR OF GRAPHIC DESIGN UNIVERSITY OF CANBERRA FIRST YEAR PART-TIME STUDENT







Persona Name

Age:

Key attribute #1:

Key attribute #2:

Background

Highlights persona's demographic information.

Describes persona's current life and how the product/service fits into her life.

Objectives

Persona's goals and needs for product/service

Pain Points

Persona's concerns and problems

PERSONAS: COMMON FEATURES

- name
- demographic information
- descriptive title (role/archetype)
- quote
- a day-in-the-life narrative / personal story
- end goals (explicit and tacit)
- photograph

https://www.smashingmagazine.com/2014/08/a-closer-look-at-personas-part-2/



Gamma: illustration **Beta:** photograph

"The Gamma group were less enthusiastic (than the Beta group) about using the persona and through discussion it became clear that they did not empathise with 'Marie' to the same extent as the Beta group did.

The group discussed the fact that their persona was represented by an illustration and therefore was obviously not a real person...

The students also discussed how the illustrated image of the persona made them feel that they could pick and choose from her characteristics and even superimpose their own additional features and information onto her character."

Long, F (2009) 'Real or Imaginary; The effectiveness of using personas in product design', Proceedings of the Irish Ergonomics Society Annual Conference, May 2009, pp1-10 Dublin.

REMEMBER

- Keep # of personas small
- Base personas on real data
 - Provisional personas can be used temporarily but goal is to get to data-grounded personas

FOR NEXT WEEK

- Lab 2 reflection
 - Due Friday 10/14, 6pm
- Read
 - <u>IDEO Brainstorming Rules</u>
 - Design, Prototyping & Construction (PSR CH11).
 - Rettig (on Blackboard).
 - Rubin & Chisnell Ch 9 on Blackboard.
- Research Paper Circles
 - Design: Paper Prototyping
 - Dow et al.