

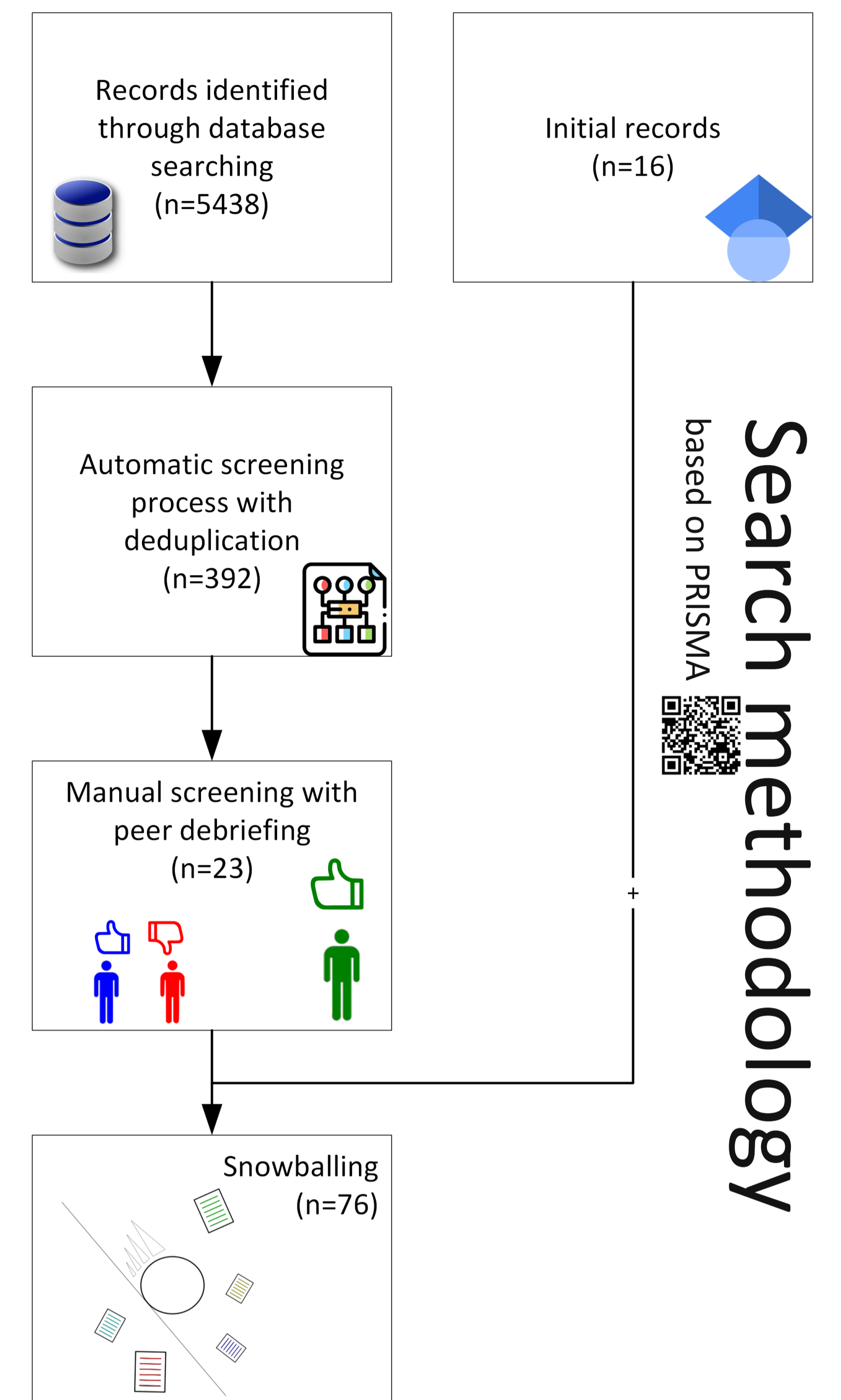
# A tour through the zoo of scented widgets

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**Motivation:** Visualization publications often propose systems designed with interactive visualizations and widgets. The latter are often enhanced with additional visualizations, called **scents**. We focus on scented widgets, explore the available literature and propose a categorization and an online browser intended to be helpful for visualization researchers and frontend developers in user interface design tasks.

## Open challenges:

- **C1** – What is a scented widget and what is an interactive visualization? Where do we draw the line?
- **C2** – Search based on text vs based on images for visualization papers. How do we survey databases for visualizations?
- **C3** – Shall we also consider non-visual channels (audio, olfaction, touch, etc.) to encode information scent?

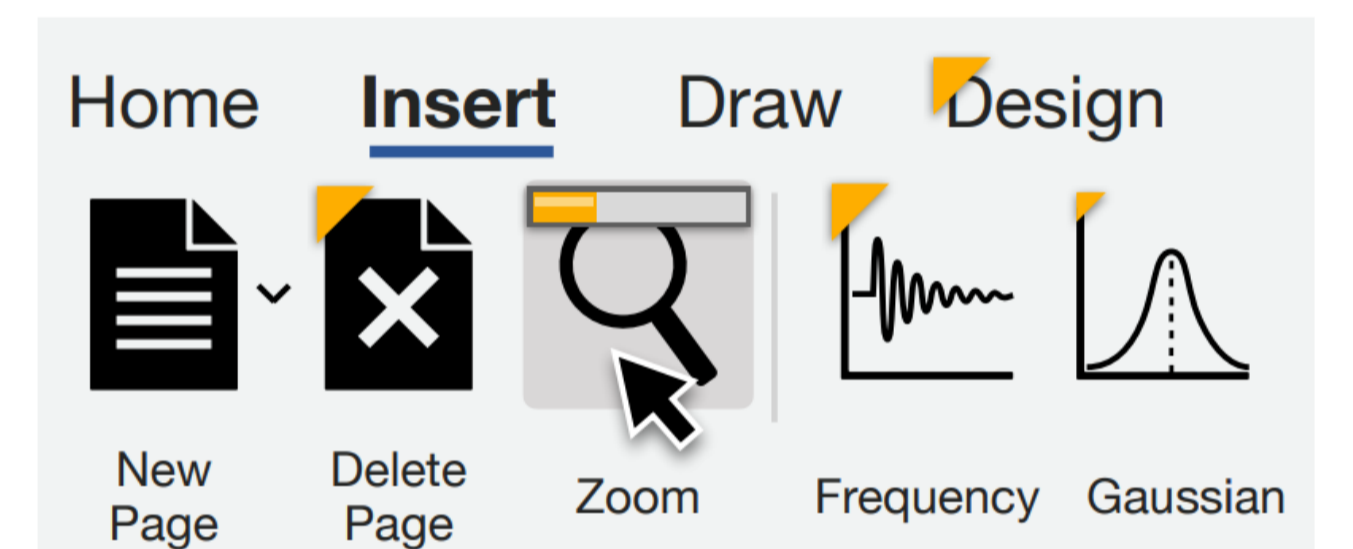
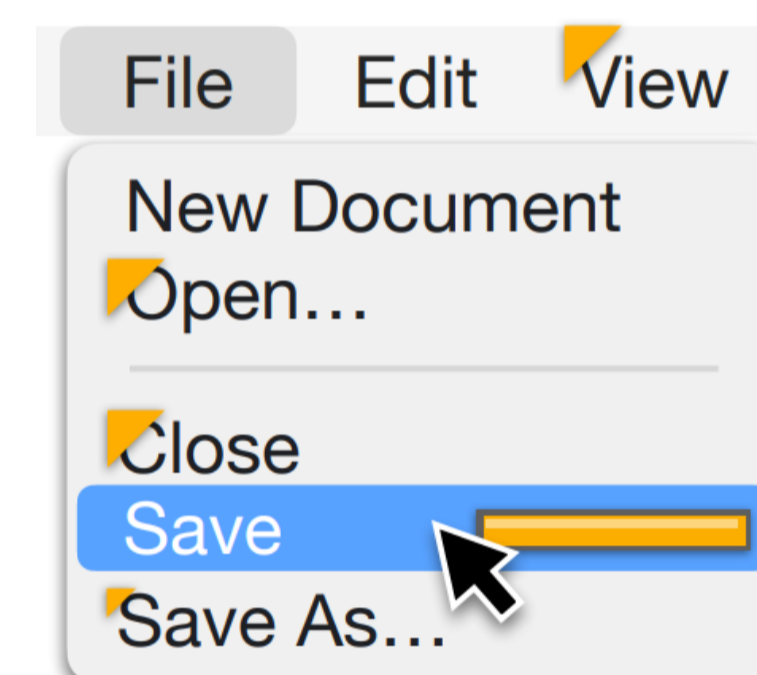


- Purpose**
- Enhanced filtering
  - Enhanced selection
  - State preview
  - Collaborative decision-making
  - Combating bias
  - Query formulation
  - Optimization

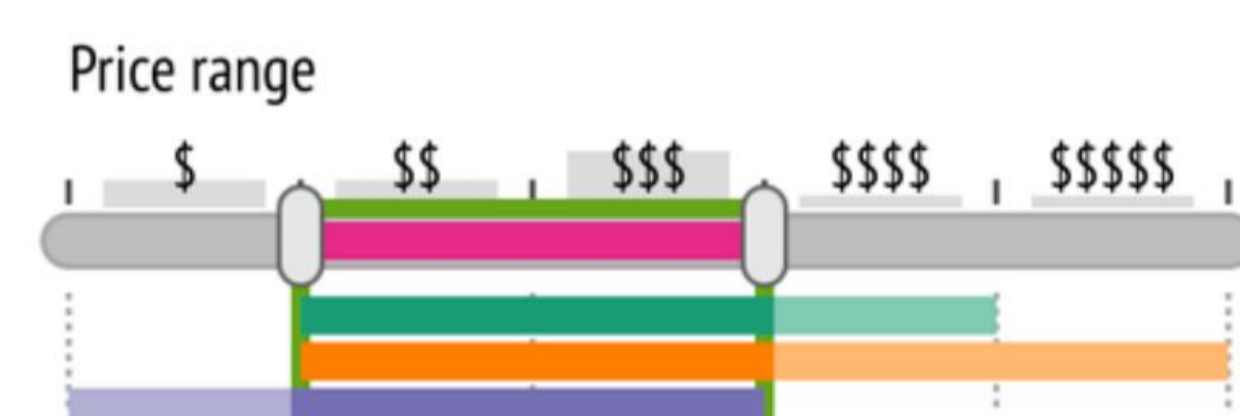
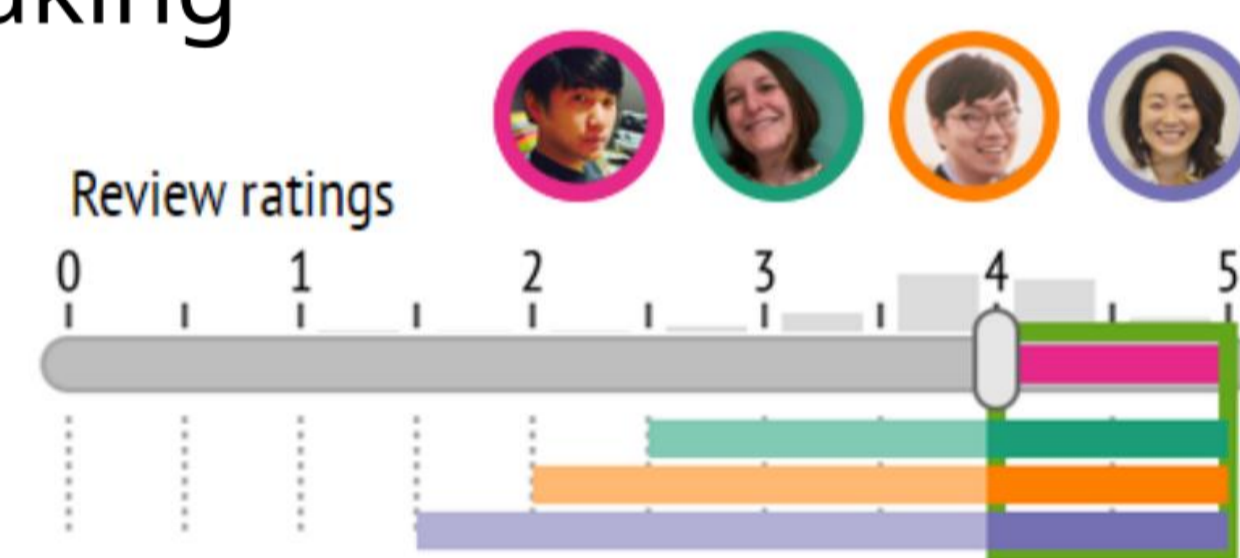
- Widget type**
- Button
  - Slider
  - Textual input
  - List
  - Custom widget

- Number of scents**
- 1
  - 2+

- Type of scents**
- Image
  - Heatmaps
  - Histograms
  - Line/scatter plots
  - Glyphs
  - Custom visualizations
  - Dynamic content

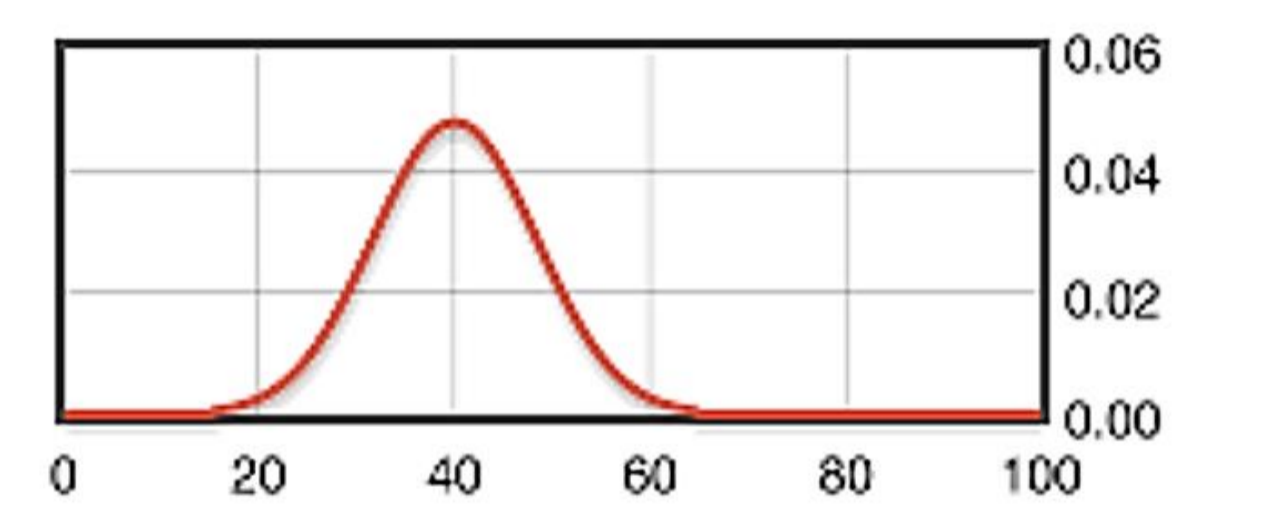


Masson et al. 2022

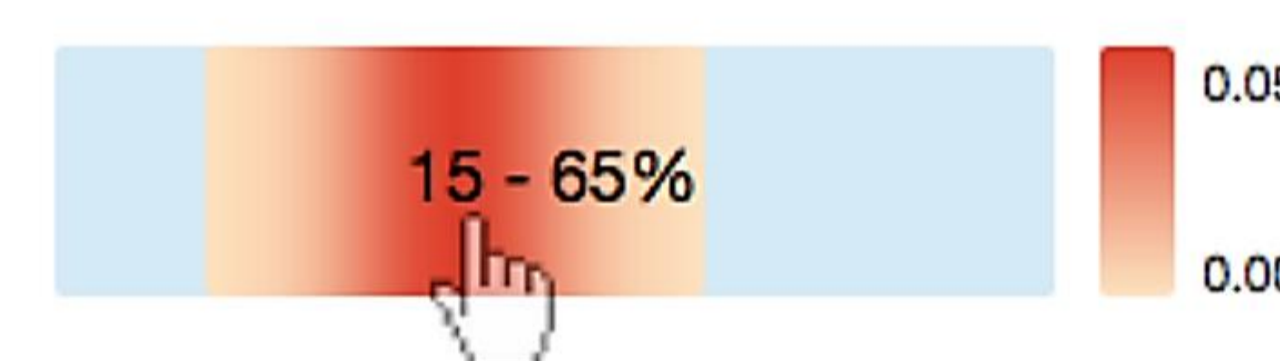


	Picnic : A Food + Wine Boutique	★★★★★ 4.5
	Well-known (51 reviews), Affordable (\$\$\$), 18min.	
	Mura Asian Eatery	★★★★★ 4.5
	Well-known (60 reviews), Affordable (\$\$\$), 27min.	
	New Teriyaki & Wok	★★★★★ 4
	Well-known (59 reviews), Affordable (\$\$\$), 27min.	
	Nikko Teriyaki	★★★★★ 4
	Well-known (88 reviews), Affordable (\$\$\$), 23min.	
	Yummy Teriyaki	★★★★★
	Well-known (78 reviews), Affordable (\$\$\$), 25min.	

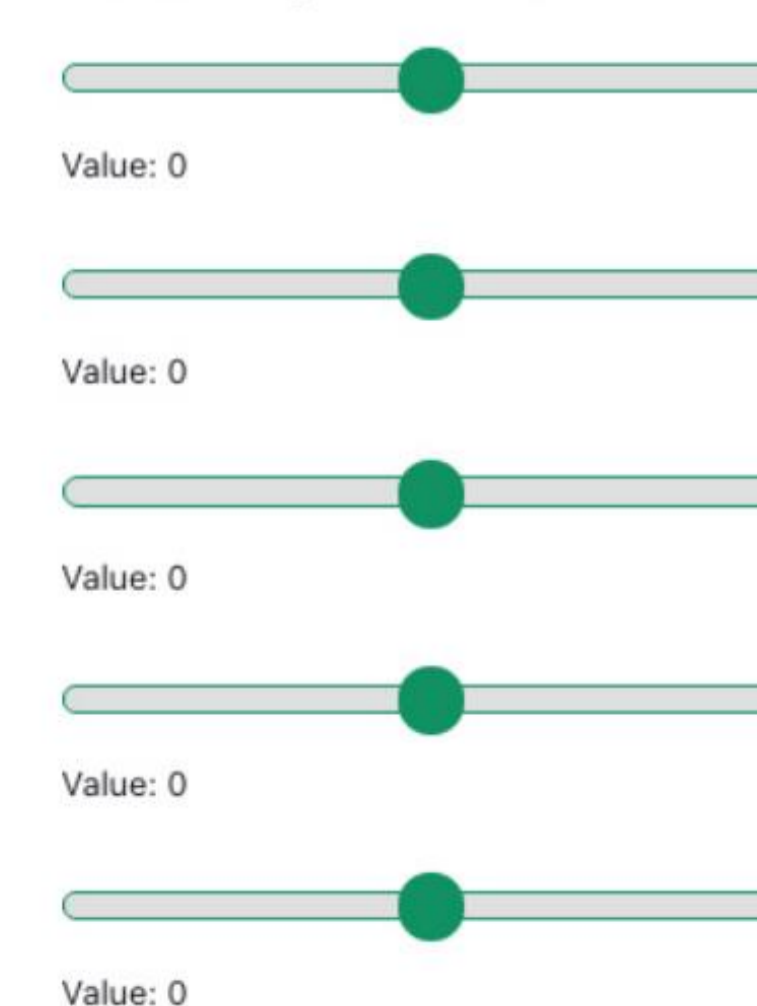
Hong et al. 2018



Greis et al. 2018



Slider Adjustments

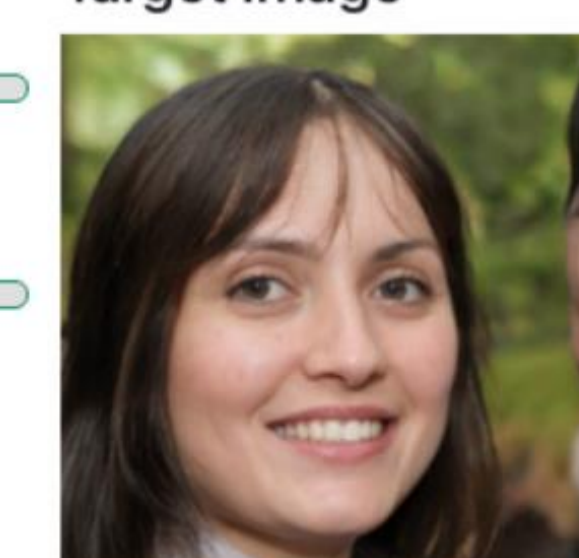


Dang et al. 2022

Your Image



Target Image



Slider Adjustments

