Scaffolding Teachers Sense-making for Classroom Equity using Visual Analytics

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ADOPTED APPROACH

The importance of incorporating human centered methods is emphasized in the field of LA (Buckingham Shum et al. 2019). In our two design studies, we used think aloud and cognitive interviews. We presented teachers with a total of thirty different visualizations of SEET data that displayed data on gender and race disaggregation. From design sessions we found visualizations in figure 1 below aligned with the sense-making of teachers (Bertrand & Marsh, 2015): ‘horizontal histogram’ (a) and ‘heat map’ (b) for disaggregating gender and race data, and ‘line graph’ (c) for overtime investigation.

![Visualizations](image)

Figure 1: Visualizations preferred by teachers during the design sessions

REFERENCES


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