## What's Your Type? Psychophysics of Variable Fonts: Gaze Measures of Reading Efficiency



Introduction

Reading is a complex task that presents challenges across different platforms, and finding the optimal font and spacing for individuals remains an ongoing area of study.

Our goal was to investigate the effects of variable fonts on reading performance. Variable fonts allow designers to manipulate text appearance along many continuous "axes". This allows them to produce text that looks very different, all from a single font file. Variable fonts uniquely allow customization of font appearance along a set of continuous parametric axes within a single font file lending themselves readily to psychophysical techniques.

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## How does varying visual features in variable fonts impact gaze behavior?

These axes were selected from Roboto Flex					Methods	
N=14			Font Settir		ngs	
Font Axes	Thin Stroke	25◀	this	this	this	▶ 135
	Width	25∢	this	this	this	▶ 151
	Thick Stroke	20 <	this	this	this	175
	Slant	_10	this	this	this	0
	Weight	100	this	this	this	1000
					,	1000
-2	<b>Eye Track</b> Saccade Amplit Number of Fixa Fixation Duratio	Dorothea reformer. prisoners the Unite perceptio American hospitals advocate	Lynde Dix (1802-188 Her efforts on behalf s helped create dozen d States and in Europ ons of these populatio n Civil War with the ad s, Dix also established for the work of femal	7) was an author, teacher, ar of the mentally ill and s of new institutions across e and changed people's ons. Charged during the ministration of military a reputation as an e nurses. Her own		

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