

Curvy Saccades

A. D. F. Clarke* and The only and only Tom Foulsham†

School of Psychology, University of Essex, UK

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Abstract

Lets look at saccadic curvature in in eye movements made while viewing photographs

1 Introduction

2 Methods

2.1 Stimuli

2.2 Participants

2.3 Paradigm

2.4 Pre-processing

Saccades were parsed using the Eyelink and Nystrom filters. The data was cleaned by stepping through the following steps:

- The initial fixation from every scan-path was removed (1058 saccades).
- Saccades containing samples that fell outside image boundary (256 saccades).
- Preceding fixation with duration greater than 2000ms (1480 saccades).
- Preceding fixation with duration less than 50ms (69 saccades)¹.
- Saccades with fewer than 10 samples (0 saccades).

This left us with a total of 14,400 saccades with

3 Methods

4 Discussion

*a.clarke@essex.ac.uk

†foulsham@abdn.ac.uk

¹Remember to check why a small number of fixations have 0ms duration???