## Hierarchical effects of contrast and motion coherence in early visual cortex

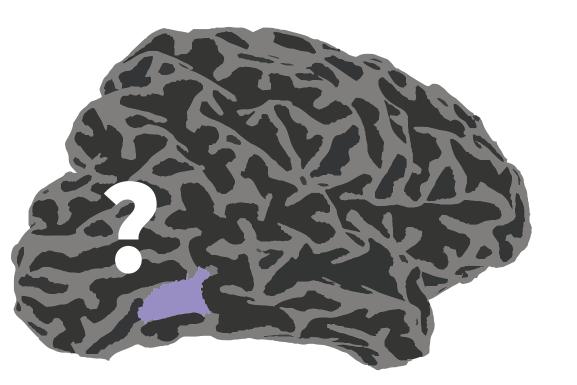
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## 1. Introduction

An existing model of contrast discrimination suggests early visual cortex is sufficient to explain behavioral performance<sup>1</sup>.

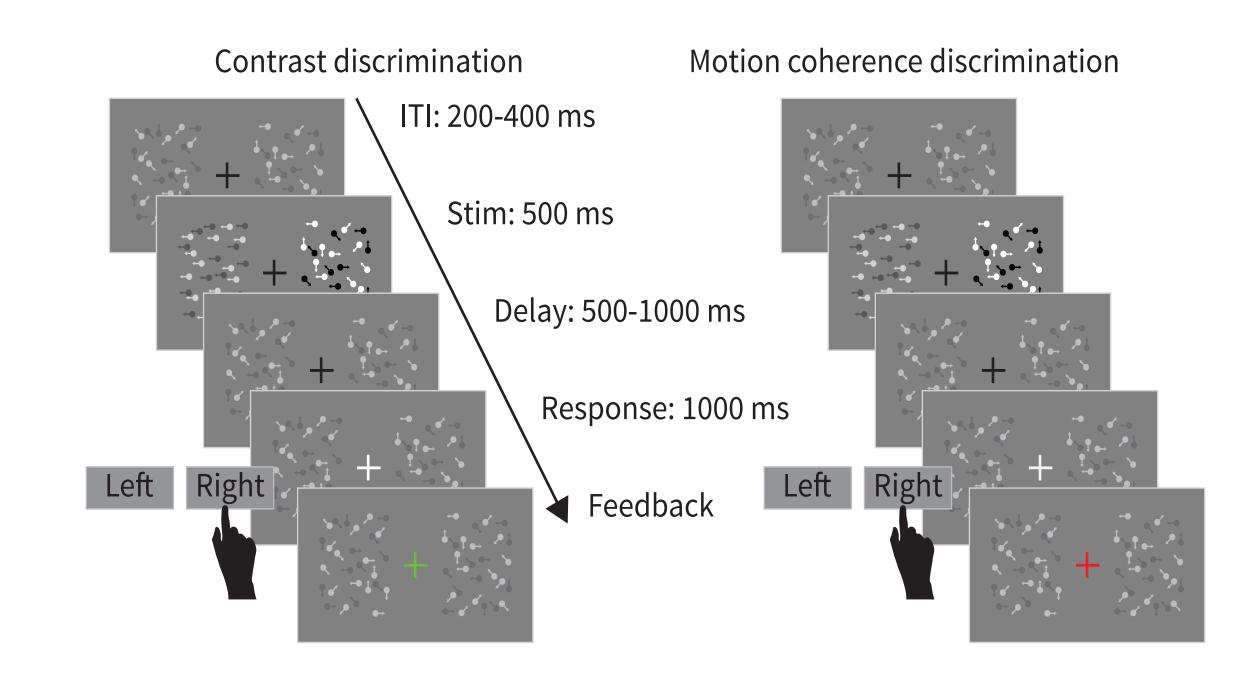


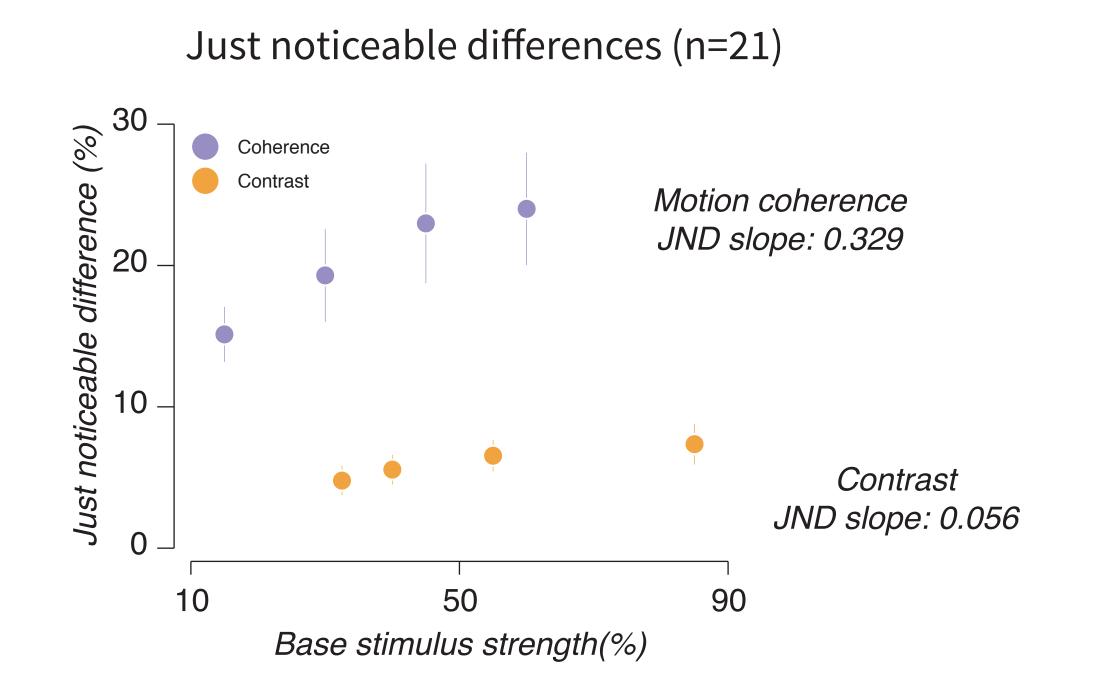


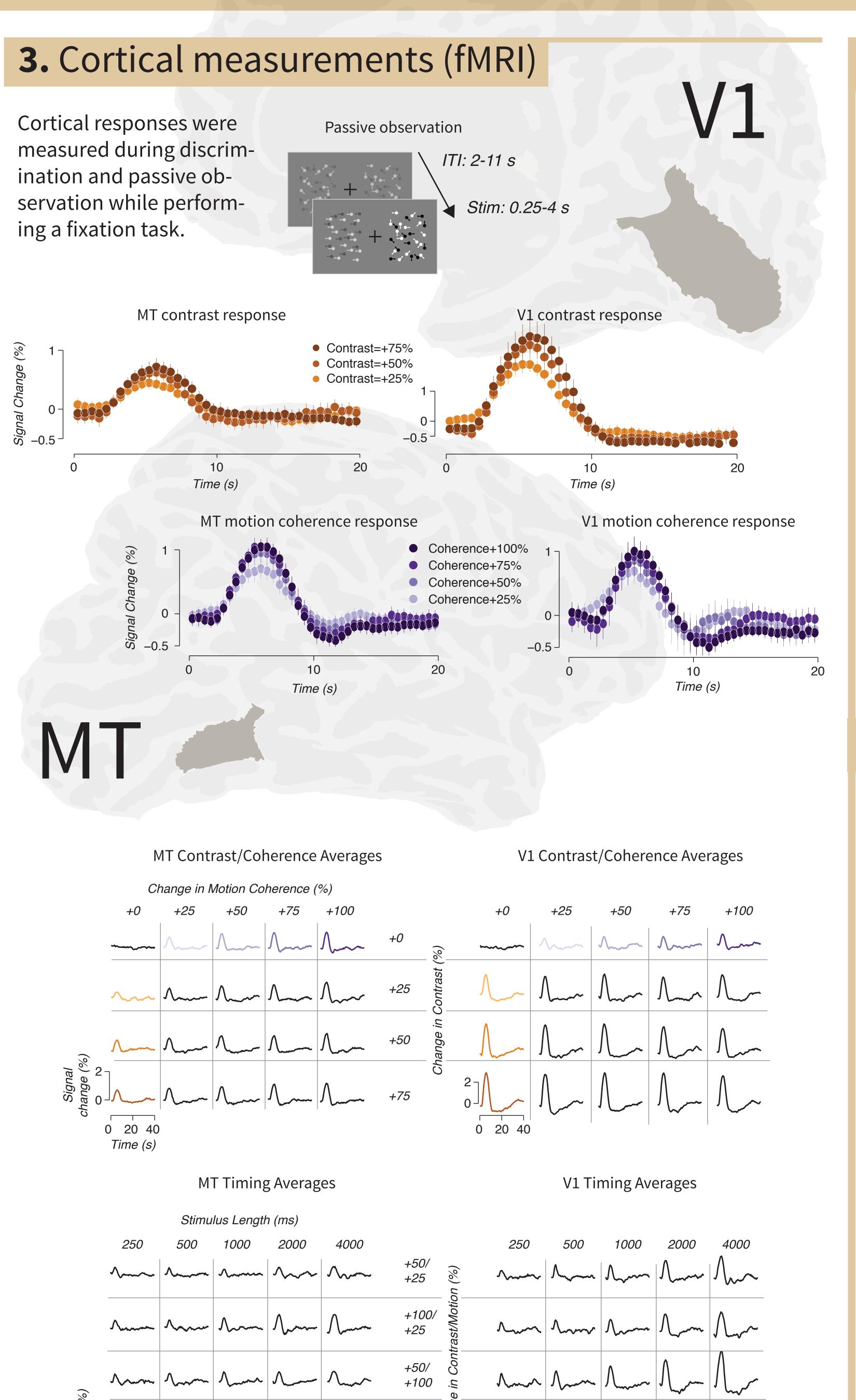
Can that model be used to jointly explain motion coherence discrimination?

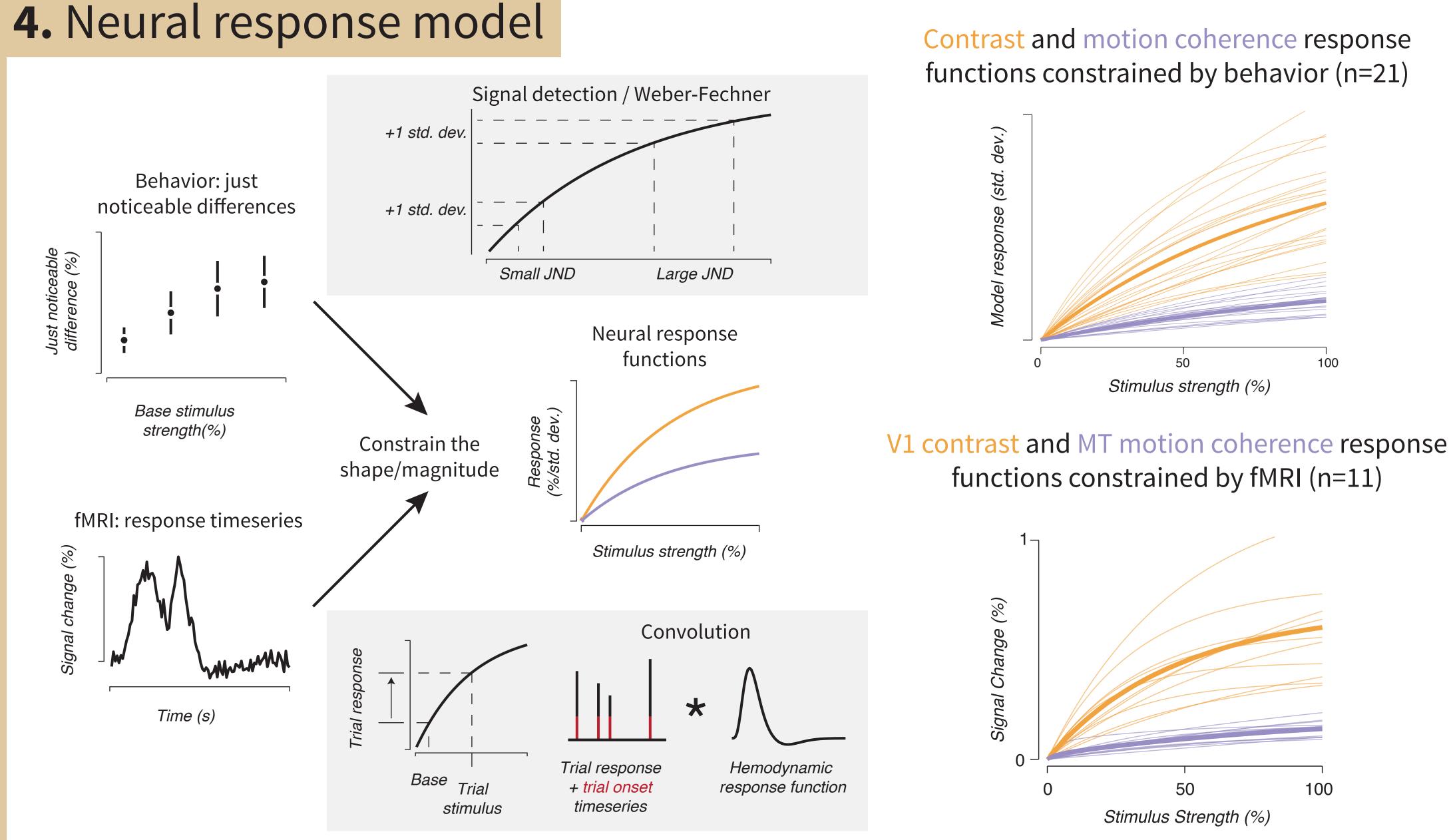
## 2. Discrimination task

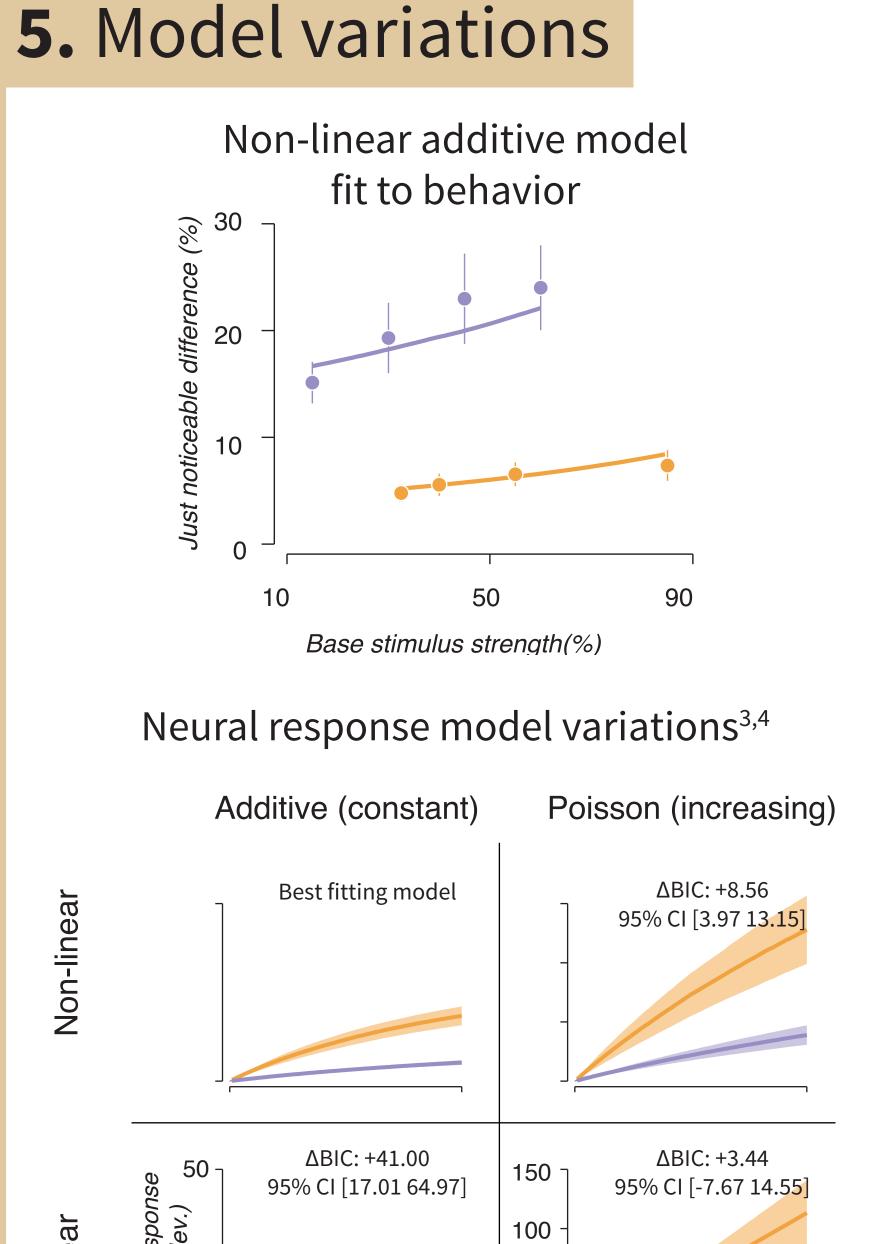
We collected data on how well participants could discriminate small increments in contrast and motion coherence.



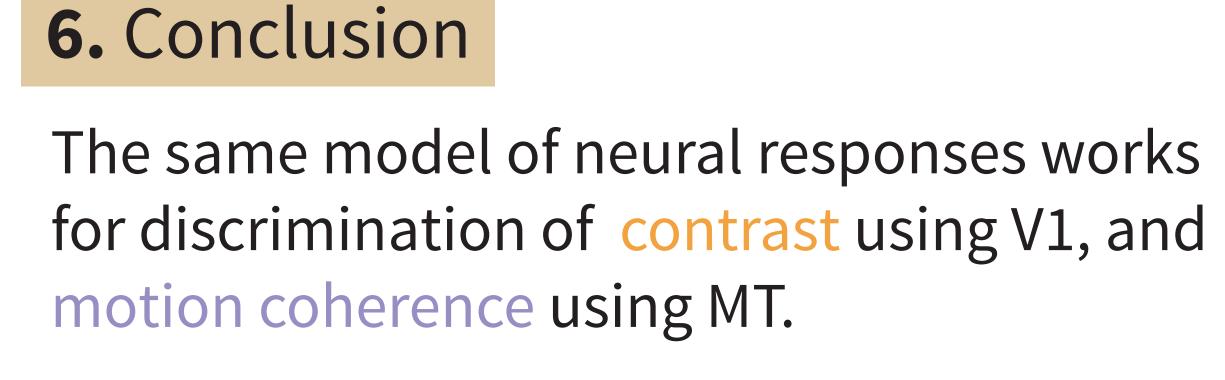


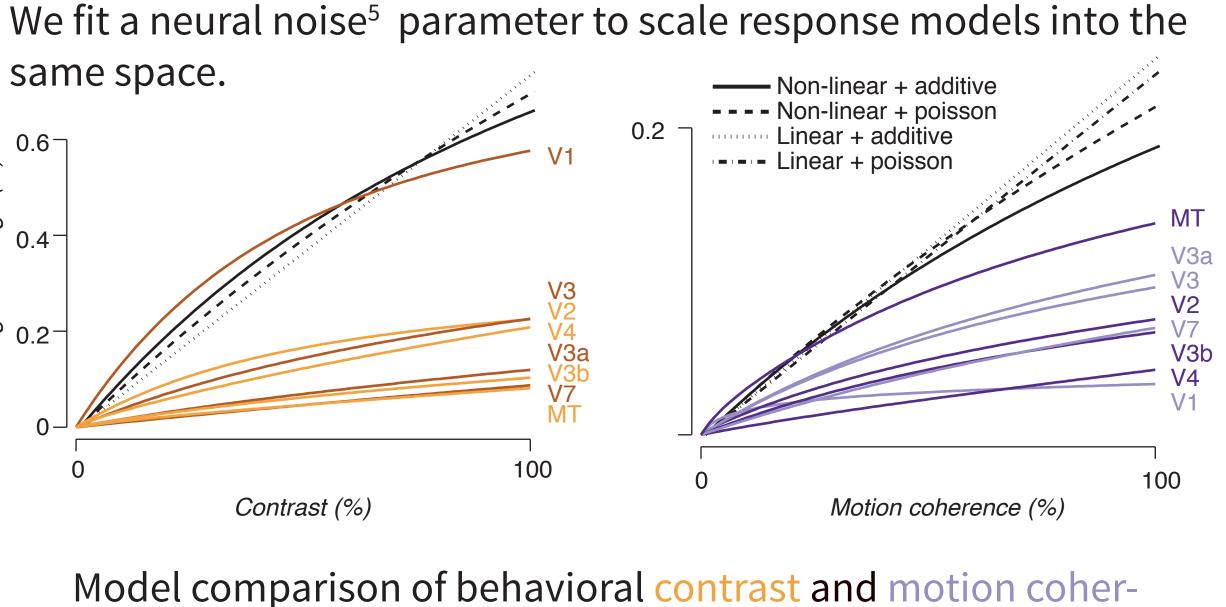




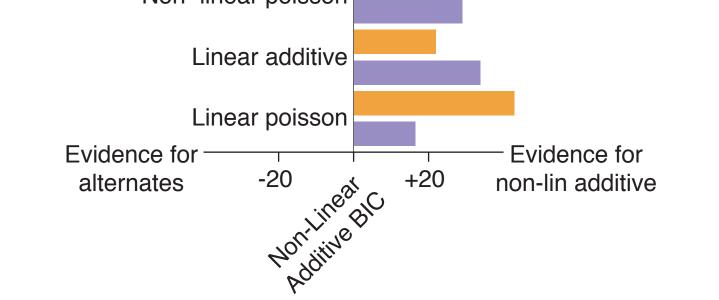


Stimulus strength (%)











0 20 40