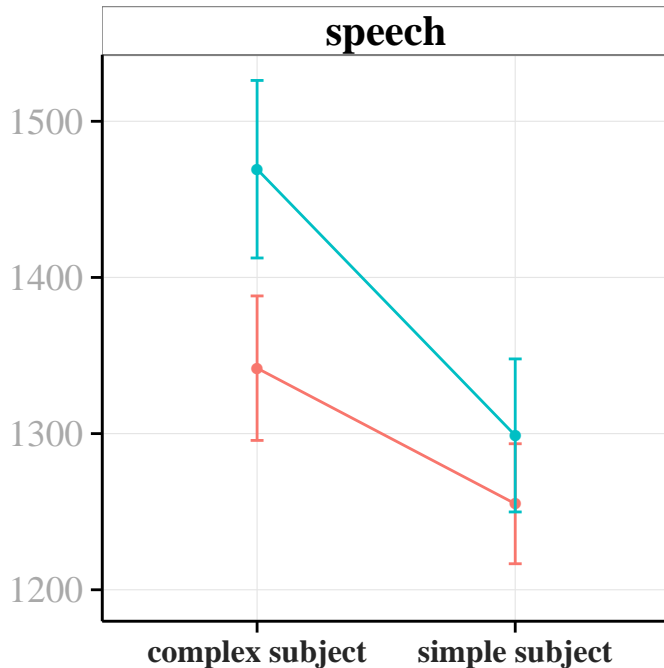Production onset