

## Abstract GLMS

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### Forensic Gait Analysis

Gait as a pattern of movement has many degrees of freedom that are explored by individuals based on their anatomy, functional limitations, neural mappings and functional context. This gives gait a combination of features by which individuals can be distinguished from each other. In this way those features can be used in forensics, creating a branch called "forensic gait analysis". Not all gait patterns are unique. Some individuals have gaits that look like that of many others. And so in order to determine what the chance is that a suspect and a perpetrator are the same person, a reference population needs to be built from subjects encountered in the street. Such a database has been created over the past years and is being used in criminal cases in the UK, of which some examples will be given. Some important caveats have appeared, that can only be dealt with by a good understanding of human gait, which makes it an interesting area for human movement sciences.