# Tutorial_Files

Sift's tutorials use real data sets wherever possible in order to demonstrate realistic scenarios and avoid overly simplistic examples.

## Contents



## Load and View Data

This tutorial can be completed with any CMZ file. You can use a data set from a Visual3D Workshop at a recent ASB meeting. V3D Workshop @ ASB].

## Clean your Data

This tutorial uses overground walking data from four subjects. The subjects walked at three different speeds; slow, normal and fast. Four Subjects Walking Data Set].

## Perform Principal Component Analysis

This tutorial uses overground walking data from roughly 100 subjects divided into two conditions: normal control and osteoarthritis (moderate to severe). This data set can be found in the Demo folder of your Sift installation.

## Export Results

This tutorial uses the same overground walking data set as the Clean your Data tutorial. Four Subjects Walking Data Set].

It also uses predefined queries that have been saved in a .q3d file. AnkleAngles.q3d].

## Treadmill Walking in Healthy Individuals

This tutorial explores Fukuchi et al.'s “gold standard” public data set of marker-based motion capture to describe healthy individuals walking overground and on a treadmill.

The dataset is available through Figshare: Data Set].

Supporting files are provided to simplify some of the tutorial's steps: Supporting Files].