Data description

# DogInfo.xlsx

An Excel file with the data about the dogs.

|  |  |
| --- | --- |
| **Column** | **Description** |
| DogID | Number of individual dogs |
| Breed | Breed of the dog |
| Weight | Weight of the dog |
| Age | Age of the dog in months |
| Gender | Gender of the dog |
| Neutering Status | Neutering Status of the dog |

# DogMoveData.mat

Contains one variable *DogMoveData*; a table with 62 rows and following variables.

|  |  |  |
| --- | --- | --- |
| **Column** | **Data type** | **Description** |
| DogID | Int32 | Number of the dog |
| TestNum | Int32 | Number of the test {1, 2} |
| sensorData | Cell array of tables | Each table contains the measurement data from one recorded test at 100Hz sampling rate. The descriptions of the columns are in the following table. |

The data types and descriptions of the variables of the sensorData.

|  |  |  |
| --- | --- | --- |
| **Column** | **Data type** | **Description** |
| ABack | double  n-by-3 matrix | Accelerator measurement from the sensor in the back. A matrix with three columns for x, y and z directions. |
| ANeck | double  n-by-3 matrix | Accelerator measurement from the sensor in the neck. A matrix with three columns for x, y and z directions. |
| GBack | double  n-by-3 matrix | Gyroscope measurement from the sensor in the back. A matrix with three columns for x, y and z directions. |
| GNeck | double  n-by-3 matrix | Gyroscope measurement from the sensor in the neck. A matrix with three columns for x, y and z directions. |
| Task | categorical  n-by-1 array | The task given at the time, <undefined> when no task is being performed. |
| Behavior | categorical  n-by-3 array | Three column array of the annotated behavior, maximum of three simultaneous annotations at the same time |
| PointEvent | categorical  n-by-1 array | Short events annotated separately, Bark for example. |

# Example for accessing the data from row 14:

**Dog ID**

>> id = DogMoveData.DogID(14)

id =

int32

27

**Accelerometer data of the back sensor**

>> x = DogMoveData.sensorData{14}.ABack;

>> whos x

Name Size Bytes Class Attributes

x 171168x3 4108032 double