

README

The portal contains datasets of vehicle positions, velocities, accelerations, and fuel rate measurements for the eight experiments conducted on 07/26/2017.

To access the attributes of vehicle N in frame t in test XX ,

In MATLAB:

```
>> load testXX;  
>> data(t, N,1); % Position from camera (m)  
>> data(t, N,2); % Velocity from camera (m/s)  
>> data(t, N,3); % Acceleration from camera (m/s2)  
>> data(t, N,4); % Fuel rate from OBD (l/h)  
>> data(t, N,5); % Velocity from OBD (m/s)  
>> data(t, N,6); % No meaning, will be deleted in the next version
```

In Python:

```
>> import numpy as np  
>> data = np.load("testXX.npy");  
>> data[t-1, N-1,0]; # Position from camera (m)  
>> data[t-1, N-1,1]; # Velocity from camera (m/s)  
>> data[t-1, N-1,2]; # Acceleration from camera (m/s2)  
>> data[t-1, N-1,3]; # Fuel rate from OBD (l/h)  
>> data[t-1, N-1,4]; # Velocity from OBD (m/s)  
>> data[t-1, N-1,5]; # No meaning, will be deleted in the next version
```

Note that *NaN* indicates that either the entry is missing or its value is invalid and has therefore been discarded.

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