

# Annalysis

## Import dependencies

In [26]:

```
import pandas as pd
from matplotlib import pyplot as plt
```

## Annalysis ¶

In [27]:

```
# Obtainig data from children CSV file
sample_data_t1 = pd.read_csv('coords_yaw.csv')
```

In [28]:

```
sample_data_t1
```

Out[28]:

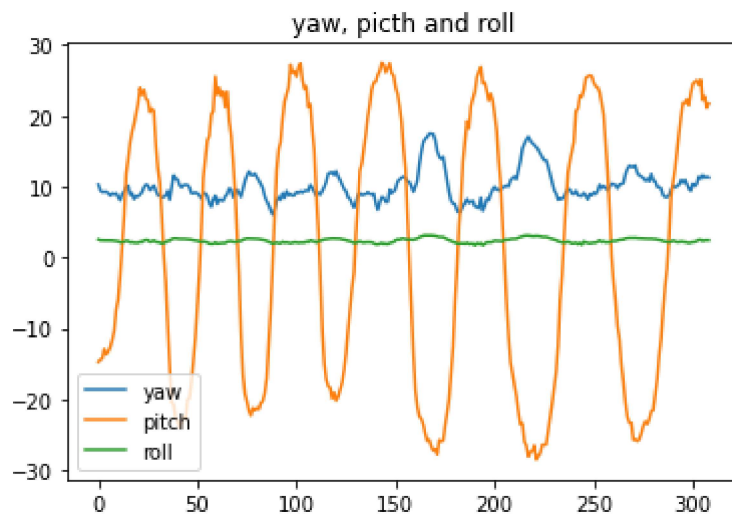
|     | Frame | t1_pitch   | t1_yaw    | t1_roll  |
|-----|-------|------------|-----------|----------|
| 0   | 1     | -14.747541 | 10.287810 | 2.553775 |
| 1   | 2     | -14.417766 | 9.477275  | 2.434099 |
| 2   | 3     | -14.325744 | 9.241807  | 2.411315 |
| 3   | 4     | -12.948397 | 9.278644  | 2.415079 |
| 4   | 5     | -13.666384 | 9.290655  | 2.411567 |
| ... | ...   | ...        | ...       | ...      |
| 304 | 305   | 25.112297  | 11.146983 | 2.505849 |
| 305 | 306   | 22.247889  | 11.633337 | 2.326291 |
| 306 | 307   | 22.732777  | 11.251100 | 2.435301 |
| 307 | 308   | 21.132352  | 11.420326 | 2.430487 |
| 308 | 309   | 21.752182  | 11.298167 | 2.437458 |

309 rows × 4 columns

## Yaw Pitch roll plots

In [29]:

```
plt.plot(sample_data_t1.t1_yaw)  
plt.plot(sample_data_t1.t1_pitch)  
plt.plot(sample_data_t1.t1_roll)  
plt.legend(['yaw', 'pitch', 'roll'])  
  
plt.title("yaw, picth and roll")  
plt.show()
```



In [ ]: