GPS data:

time	latitude	longitude	speed
2012-04-07 00:00:30	47.60620	122.3321	0.7699952
2012-04-07 00:01:00	47.60974	122.3356	0.9223307
2012-04-07 00:01:30	47.61317	122.3391	0.5313921
2012-04-07 00:02:00	47.61579	122.3417	0.7581466
2012-04-07 00:02:30	47.61863	122.3445	0.8348447
2012-04-07 00:03:00	47.62188	122.3478	0.6335497

Accelerometry data:

activity_counts	time
0	2012-04-07 00:00:30
0	2012-04-07 00:01:00
0	2012-04-07 00:01:30
0	2012-04-07 00:02:00
500	2012-04-07 00:02:30
500	2012-04-07 00:03:00

```
walk_bouts <- identify_walk_bouts_in_gps_and_accelerometry_data(gps_data, accelerometry_counts)
summary_walk_bouts <- summarize_walk_bouts(walk_bouts)
```

bout	median_speed	complete_day	bout_start	duration	bout_category
1	2.736466	TRUE	2012-04-07 00:02:30	5.0	walk_bout
2	2.555720	TRUE	2012-04-07 00:09:30	4304.5	walk_bout