

ros-to-csv: converting ros topics to csv from rosbags and online

A new convenience utility **ros-to-csv** is now available in **snark**. It allows to output as CSV the ROS messages from rosbags or from topics published online.

You could try it out, using the ROS tutorial Understanding Topics (<http://wiki.ros.org/ROS/Tutorials/UnderstandingTopics>):

Run ROS Tutorial nodes:

```
> # in a new shell
> roscore
> # in a new shell
> rosrunc turtle1sim turtle1sim_node
> # in a new shell
> rosrunc turtle1sim turtle1teleop_key
```

Run **ros-to-csv**; then in the shell where you run **turtle_teleop_key**, press arrow keys to observe something like:

```
> # in a new shell
> ros-to-csv /turtle1/cmd_vel --verbose
ros-to-csv: listening to topic '/turtle1/cmd_vel'...
0,0,0,0,0,-2
0,0,0,0,0,2
-2,0,0,0,0,0
-2,0,0,0,0,0
0,0,0,0,0,2
0,0,0,0,0,-2
2,0,0,0,0,0
0,0,0,0,0,2
```

If you log some data in a rosbag:

```
> # in a new shell
> rosbag record /turtle1/cmd_vel
```

You could convert it to csv with a command like:

```
> ros-to-csv /turtle1/cmd_vel --bag 2017-11-06-14-43-34.bag
2,0,0,0,0,0
0,0,0,0,0,-2
-2,0,0,0,0,0
0,0,0,0,0,2
0,0,0,0,0,2
0,0,0,0,0,-2
2,0,0,0,0,0
```