DATA MINING:

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Ideas of Improvement for build of PiCar:

Overall, the structure of the car doesn’t cause too many issues when being built, and the auxiliary drawings in the slides of the power point instructions are very helpful. Nevertheless, some things could be improved:

* Some of the pieces are too small. Without a big change in price, the car could be a bit bigger in overall size in order to make some of the pieces a bit bigger making it easy to handle and assemble.
* Furthermore, the orientation of both basic large pieces of the chassis is hard to get right. The schematics for that part become a bit confusing, and it should be more intuitive in the build of the car to see which orientation the battery holder should have versus the main base.
* Instead of having the 3 boards in the order they are, I would switch the position of the raspberry pi to the other side of the car to allow more space for the complicated front wheel mechanism, which is a bit tight with the wires within the car.
* I would change the mechanism of the front wheel for steering directionally. The axis piece is only touching the wheels and upon a turn it acts on the wheels but it is very easy to come out and get loose. It would make it more efficient to have either glue or a receiving piece to completely keep it as one piece.

We will be finishing up the setup of the raspberry pi system with the car to continue the project.