



CY-MÉTÉO

Gr6-MI

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Planning and distribution of tasks

Dates	Xavier	Camille	Alexandre
From 09/12/22 to 15/01/23	<ul style="list-style-type: none"> ✓ Discover and understand the instructions ✓ Create a GitHub link ✓ Invite Camille and Alexandre to participate to the GitHub link ✓ Make the GitHub link public 	<ul style="list-style-type: none"> ✓ Discover and understand the instructions ✓ Start the PDF file ✓ Assign tasks to the team ○ C code : "the AVL sorting" part [18/01/23] 	<ul style="list-style-type: none"> ✓ Discover and understand the instructions ✓ Shell code : "the checking of settings" part ✓ Analyse the <i>meteo_filtered_data_v1</i> file ✓ C code : the common functions ✓ C code : "the list sorting" part
From 15/01/23 to 22/01/23	<ul style="list-style-type: none"> ○ C code : "the main program" part [31/01/23] 	<ul style="list-style-type: none"> ○ Shell code : "the drawing graphs" part (using Gnuplot) [24/01/23] 	<ul style="list-style-type: none"> ✓ Shell code : "the creating temporary file" part ✓ Code the Makefile
From 22/01/23 to 29/01/23	<ul style="list-style-type: none"> ✓ C code : "the ABR sorting" part [02/02/23] 	<ul style="list-style-type: none"> ✓ Change the C codes to adapt to Gnuplot needs ✓ Shell code : "the calling Gnuplot program" part 	<ul style="list-style-type: none"> ✓ Write the <i>README</i> file ✓ Write the <i>-help</i> command ○ Shell code : "the moving temporary file" part [30/01/23]
From 29/01/23 to 03/02/23	<ul style="list-style-type: none"> ✓ Merge the GitHub branch ✓ Test the whole program ✓ Give the GitHub link 	<ul style="list-style-type: none"> ✓ Merge the GitHub branch ✓ Test the whole program ✓ Complete the PDF file 	<ul style="list-style-type: none"> ✓ Shell code : "the calling C programs" part ✓ Merge the GitHub branch ✓ Test the whole program

Legend :

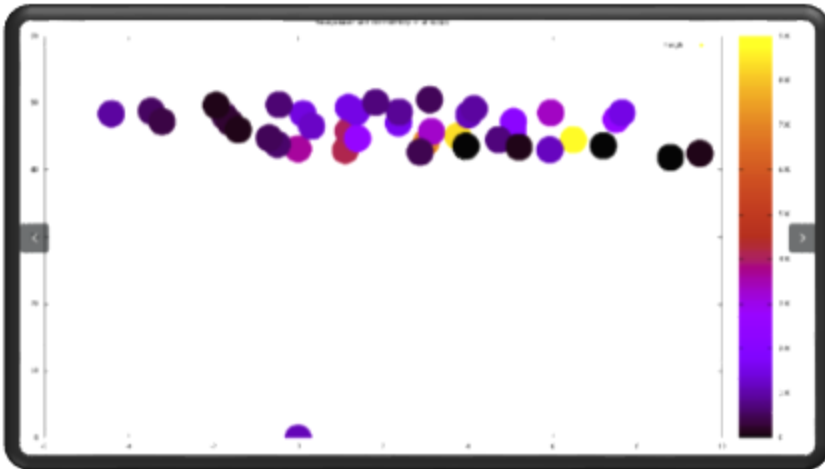
- To do
- ✓ Made in time
- Made late [final date of making]

Functional limitations

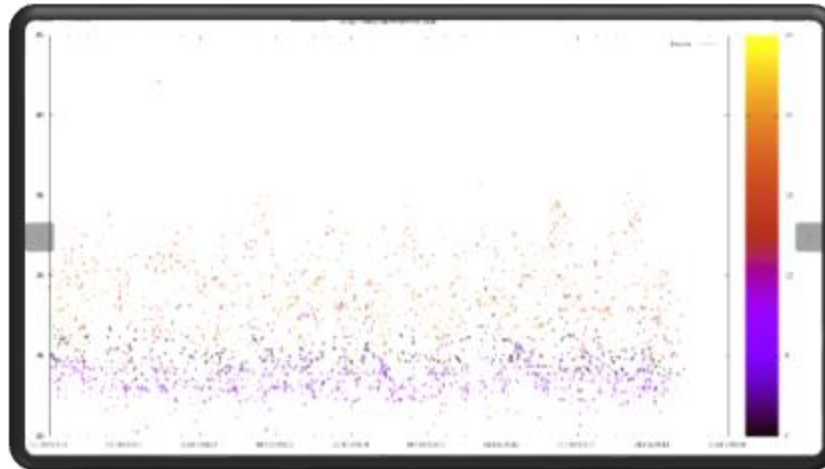
- Those options are not working together :
 - `--avl -r -h`
 - `--avl -r -m`
 - `--avl -r -t3`
- Those options make wrong graph together :
 - `--avl -t3`
 - `--avl -p3`
 - `--abr -t3`
 - `--abr -p3`
- Invalid data is deleted.
- The data collected in coordinate 0,0 is not really collected at this place.
- An error is shown when you try to make a graph with only one point or no point.
- The `-d` option requires this format of date : "YYYY-MM-DDYYYY-MM-DD" instead of "YYYY-MM-DD YYYY-MM-DD".
- The execution can last minutes depending on the arguments you chose. With `-d`, `-F`, `-G`, `-A`, `-S`, `-Q`, and `-O` it will last longer.
- The execution can last minutes depending on the input file you chose. A shorter version of the *meteo_filtred_data_v1.csv* file is suggested (*meteo_short.csv* in *C/data* file) to make quicker executions.

Execution examples

```
bash script.sh -f C/data/meteo_short.csv -h
```



```
bash script.sh --tab -  
f C/data/meteo_short.csv -t3 -G
```



```
bash script.sh -f C/data/meteo_short.csv -  
m --abr
```

