|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| parameters | | | | | | | | | type | explainations |
| wandb | | enabled | | | | | | | bool | whether to enable wandb |
| project | | | | | | | string | project name |
| name | | | | | | | string | the name of this run |
| global | | use\_file\_system | | | | | | | bool | whether to enable the file system as the torch multi-thread sharing strategy |
| multi\_gpu | | | | | | | bool | whether to enable multi-GPU, detailed explanation |
| mode | | | | | | | string | async,sync, semi-async  choose one of the three operating modes of the framework |
| experiment | | | | | | | string | the name of this run |
| stale | | | | | | | explaination | |
| dataset\_path | | | | | | | string | the path of the dataset |
| iid | | | | | | | explaination | |
| client\_num | | | | | | | int | client num |
| server | | epochs | | | | | | | int | global epoch |
| model | | | | path | | | string | the path of the model |
| params | | | dict | required parameters |
| scheduler | | scheduler\_path | | | | | string | the path of the scheduler |
| params | | | | | string | required parameters |
| receiver | | | | path | string | the path of the receiver |
| params | dict | required parameters |
| updater | updater\_path | | | | | | string | the path of the updater |
| loss | | | | | | dict | string | the parameters required by customized loss | the path of the loss |
| params | | | | | | dict | required parameters |
| group | | | | updater\_path | | string | the path of the updater |
| params | | dict | required parameters |
| client\_manager | | client\_path | | | | | | | string | the path of the client |
| checker | | | | checker\_path | | | string | the path of the checker |
| params | | | dict | required parameters |
| client | epochs | | | | | | | | int | local epoch |
| batch\_size | | | | | | | | int | batch |
| model | | | | path | | | | string | the path of the model |
| params | | | | dict | required parameters |
| loss | | | | | | | | dict | string | the parameters required by customized loss | the path of the loss |
| mu | | | | | | | | float | proximal term’s coefficient |
| optimizer | | | | path | | | | string | the path of the optimizer |
| params | | | | dict | required parameters |
| other\_params | | | | | | | | \* | other parameters |