



# IKID SANDBOX - CHEAT SHEET

The Sandbox allows both teachers and students to work independently on a containerized platform which includes a web based integrated development environment in the context of the AI Exploratorium.

## USE CASES (Markdown)

# Heading	Heading level 1
## Heading	Heading level 2
### Heading	Heading level 3
<b>**text**</b>	Format text as bold
<i>*Text *</i>	Format text as italic
[link descr](http://url)	Format text as link
![imgcap](/path/to/)	Add image to text
```python	Embed code with syntax high.

## SANDBOX (Development Environment)

Y   M   R	Change cell type (Code, Mark, Raw)
a	Insert Cell Above
b	Insert Cell Below
dd	Delete Row
enter	Enter Edit mode
strg + enter	Execute row
esc	Reset focus
!nvidia-smi	Show GPU usage (only available in GPU container)
!pip install pkname	Install packages using pip

## DATAPOOL

UI Share	<a href="https://share.sandbox.iuk.hdm-stuttgart.de/">https://share.sandbox.iuk.hdm-stuttgart.de/</a>
Version Control	Using <a href="https://git.sandbox.iuk.hdm-stuttgart.de/">https://git.sandbox.iuk.hdm-stuttgart.de/</a> and use <a href="https://git-lfs.com/">https://git-lfs.com/</a>
CLI Share (Headless)	curl -F fileUpload=@doc.zip <a href="https://share.storage.sandbox.iuk.hdm-stuttgart.de/upload">https://share.storage.sandbox.iuk.hdm-stuttgart.de/upload</a>

## LONG RUNNING TRAININGS

1. Create Repository on GIT ([git.sandbox.iuk.hdm-stuttgart.de](https://git.sandbox.iuk.hdm-stuttgart.de/))
2. Connect your repository with the CI Tool:  
<https://ci.sandbox.iuk.hdm-stuttgart.de/>
3. Write code which trains a model
4. Write. woodpecker.yml file, e.g.:  
<https://git.sandbox.iuk.hdm-stuttgart.de/grosse/jupyterlab-datas/cience/src/branch/master/woodpecker.yml>
5. Git commit
6. Check the status of training at the CI

## USEFUL LINKS

Sandbox UI	<a href="https://sandbox.iuk.hdm-stuttgart.de/">https://sandbox.iuk.hdm-stuttgart.de/</a>
Docs	<a href="https://docs.sandbox.iuk.hdm-stuttgart.de/">https://docs.sandbox.iuk.hdm-stuttgart.de/</a>
GIT	<a href="https://git.sandbox.iuk.hdm-stuttgart.de/">https://git.sandbox.iuk.hdm-stuttgart.de/</a>
SHARE UI	<a href="https://share.sandbox.iuk.hdm-stuttgart.de/">https://share.sandbox.iuk.hdm-stuttgart.de/</a>
CI	<a href="https://ci.sandbox.iuk.hdm-stuttgart.de/">https://ci.sandbox.iuk.hdm-stuttgart.de/</a>