



# Visualizing IoT Data with **Minecraft.**

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# Agenda

## How to visualize data in Minecraft

- Minecraft on a Raspberry Pi and modding on a PC

## Visualizing real-time data

- read sensor data and show them

## Do we always need real-time data?

- Dashboard and historical data

visualize **data**



# What is **Minecraft**?

# Minecraft on a Raspberry Pi

# Modding on a PC

real-time **data**









# dashboard **data**





**Thank you.**

# Appendix

# Links

Minecraft Pi Edition <https://mojang.com/2013/02/minecraft-pi-edition-is-available-for-download/>

Minecraft Raspberry Pi (Node.js): <https://www.npmjs.com/package/minecraft-pi-promise>

Minecraft Forge <https://github.com/MinecraftForge/MinecraftForge>

Spigot <https://www.spigotmc.org/>

Amsterdam world <https://www.planetminecraft.com/project/amsterdam-11-the-secret-annex-included/>  
credits dipsy7777

WorldEdit <https://mods.curse.com/bukkit-plugins/minecraft/worldedit>

Windfarm data [http://www.thewindpower.net/windfarm\\_en\\_1866\\_egmond-aan-zee.php](http://www.thewindpower.net/windfarm_en_1866_egmond-aan-zee.php)  
... and OpenWeathermap (lat=52.606 lon=4.419)