

DataSet utilizado

Won, K., Kwon, M., Ahn, M., & Jun, S. C. (2022). EEG dataset for RSVP and P300 speller brain–computer interfaces. *Scientific Data*, 9(388). <https://doi.org/10.1038/s41597-022-01509-w>

Documentacion del proyecto

https://drive.google.com/drive/folders/1B83GXKDHs4WDcsrfzKn_aAsXJvF-FAaW?usp=sharing

Producto final (3A VisioClick.exe)

Fuentes

1. Álvarez Ariza, J., & Pearce, J. M. (2022). Low-cost assistive technologies for disabled people using open-source hardware and software: A systematic literature review. *IEEE Access*, 10, 124894–124927. <https://doi.org/10.1109/ACCESS.2022.3221449>
2. Bhattacharyya, S., Konar, A., Tibarewala, D. N., & Hayashibe, M. (2017). A generic transferable EEG decoder for online detection of error potential in target selection. *Frontiers in Neuroscience*, 11, 226. <https://doi.org/10.3389/fnins.2017.00226>
3. Bouyam, C., & Punsawad, Y. (2022). Human–machine interface-based wheelchair control using piezoelectric sensors based on face and tongue movements. *Heliyon*, 8(11), e11679. <https://doi.org/10.1016/j.heliyon.2022.e11679>
4. Fischer-Janzen, A., Wendt, T. M., & Van Laerhoven, K. (2024). A scoping review of gaze and eye tracking-based control methods for assistive robotic arms. *Frontiers in Robotics and AI*, 11, 1326670. <https://doi.org/10.3389/frobt.2024.1326670>
5. Iqbal, A., Kanoga, S., Muto, M., & Mitsukura, Y. (2021). *A wearable low-cost muscle activated switch for wireless control for the physically challenged patients* (Preprint).

Research Square. <https://doi.org/10.21203/rs.3.rs-1146360/v1>

6. Lee, J., Won, K., Kwon, M., Jun, S. C., & Ahn, M. (2020). CNN with large data achieves true zero-training in Online P300 brain–computer interface. *IEEE Access*, 8, 74385–74400. <https://doi.org/10.1109/ACCESS.2020.2988057>
7. Paing, M. P., Juhong, A., & Pintavirooj, C. (2022). Design and development of an assistive system based on eye tracking. *Electronics*, 11(4), 535. <https://doi.org/10.3390/electronics11040535>
8. Ogino, M., Kanoga, S., Muto, M., & Mitsukura, Y. (2019). Analysis of prefrontal single-channel EEG data for portable auditory ERP-based brain–computer interfaces. *Frontiers in Human Neuroscience*, 13, 250. <https://doi.org/10.3389/fnhum.2019.00250>
9. Ravipati, Y., Pouratian, N., Arnold, C., & Speier, W. (2023). *Evaluating deep learning performance for P300 neural signal classification*. AMIA Annual Symposium Proceedings, 2023, 1474–1483. <https://pubmed.ncbi.nlm.nih.gov/38222383/>
10. Fundación Sidar. (s.f.). *eViacam – software para el control del ratón mediante movimientos de la cabeza* [Software]. <http://eviacam.crea-si.com/>
11. Tobii. (s.f.). *PCEye – Eye Tracker for Assistive Technology* [Dispositivo]. <https://www.tobii.com/products/software/tobii-pceye/>
12. OpenAI. (2025, mayo 10). *Comparación entre eViacam y Tobii PCEye* [ChatGPT]. <https://chatgpt.com/share/681f576b-34b0-8012-91b1-bba68bcdafa4>