

Cursos Extraordinarios

verano 2025

**“Inteligencia Artificial y Grandes
Modelos de Lenguaje: Funcionamiento,
Componentes Clave y Aplicaciones”**

Zaragoza, del 30 de junio al 02 de julio de 2025

Links

- **cnn:**

<https://colab.research.google.com/drive/1Vu3HwaFlxAgDgS4KnD8gfaVwWhSaevsu?usp=sharing>

<https://colab.research.google.com/drive/1Zi1icw0J1eSQIGAoejjw27TYI3pVAT4q?usp=sharing>

- **lstm:**

<https://colab.research.google.com/drive/1BTRR41lqVmxA-kSGPbTfjVnTRBkl5cXn?usp=sharing>

https://colab.research.google.com/drive/1S8N4jeMR49Q1e-S0tYa6mjsPe_yEOHIm?usp=sharing

- **bert:**

https://colab.research.google.com/drive/1y0LyECVpGYKidrbfWQNY_M9RTQkQnsZZ?usp=sharing

Links

- **Ejemplos representaciones:**

https://colab.research.google.com/drive/12y0DXBJrC9RQ3hvroaMC_jxUpCde-3cj?usp=sharing

<https://colab.research.google.com/drive/1vehaBWRWVPOproKPvTmdmHK-1H4vxBy5?usp=sharing>

<https://colab.research.google.com/drive/109jZU0Z1Zhohw5NxaZhHn1NZi0BDX40f?usp=sharing>

- **Ejemplos representaciones multimodales:**

https://colab.research.google.com/drive/1MNB47fphC4Xbtb3iBoW-TYw7np5j8kN_?usp=sharing

- **Transformer:**

https://colab.research.google.com/drive/1n_a55TyWv9o8arsfCrqGGlUQgKvln9?usp=sharing

<https://colab.research.google.com/drive/1lrYaTG46vHnQvfY700BagDKy6vJsI8YF?usp=sharing>

<https://colab.research.google.com/drive/1YJjftB6zI1bVcfs4uv7UPrBxCysztDE7?usp=sharing>

https://colab.research.google.com/drive/1Vmt0yvMSA0FhQ_1UnzLmDP1oyzLsVmGf?usp=sharing

https://colab.research.google.com/drive/1J_z_uE5EzEf_8soyXY1flW0aqDhbZa7p?usp=sharing

<https://colab.research.google.com/drive/1ph3jSDldr-VPt3koowTzAaMv5yD1eVSS?usp=sharing>

<https://colab.research.google.com/drive/1WuYBWmqunOEQZwPr-KWBmapiiu0osgzs?usp=sharing>

Links

- **gtp4:**

<https://colab.research.google.com/drive/1oYX7JhpczpT4IfXSFEi6BDp7nVSym1MC?usp=sharing>

- **opus3.5:**

<https://colab.research.google.com/drive/1TXbRnNeffygRa3ekzjhZ6yqZDrfsQYT6?usp=sharing>

- **gtp4o:**

https://colab.research.google.com/drive/1Yj4gxr7m9kBH248N_Pd5YJ3U-E_D4U7j?usp=sharing

- **demo1 (gpt):**

https://colab.research.google.com/drive/1vQp_zA2IZZoN9WFLGuNKRxZ3Z-Vu5AJB?usp=sharing

(solution)

<https://colab.research.google.com/drive/113SVxzqe1vZDHk5knaJPGo2KbXVEmx5Q?usp=sharing>

- **demo1 (qwen):**

https://colab.research.google.com/drive/12FDLJU_-1V226XwUZ02oyafUWZuKt1R3?usp=sharing

- **demo2:**

<https://colab.research.google.com/drive/1qyBYYByP1YPa2RkZPtpTGQ848j4R1vDU?usp=sharing>