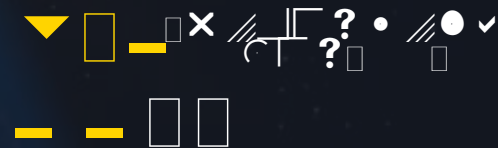
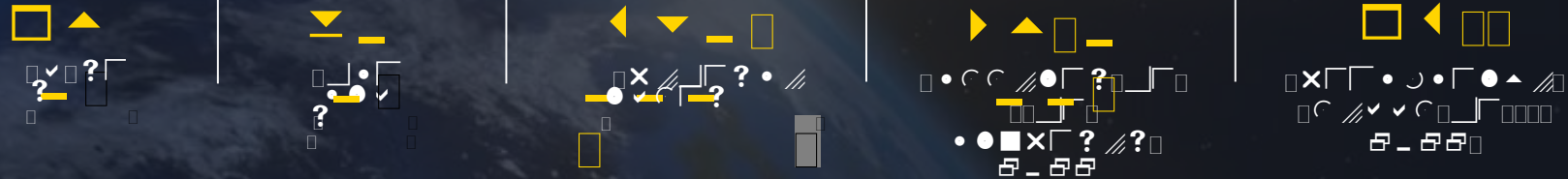






GO HIGHER





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## ASSURANCE

Audit  
Financial & Accounting Advisory Services  
Climate Change & Sustainability Services  
Forensics & Integrity Services

## CONSULTING

### BUSINESS CONSULTING:

Financial Risks  
Support to the financial function  
Internal Audit  
Supply chain & Operations  
Business transformation and innovation

### TECHNOLOGY CONSULTING:

Cybersecurity  
Data & Analytics  
Implementation of technological solutions  
Robotics & Emerging technologies  
Technology transformation

## TAX & LEGAL

### TAX:

Fiscalidad General, Procedimientos Tributarios  
Impuestos indirectos, Aduanas e impuestos especiales  
Fiscalidad Internacional, Transacciones y Precios de Transferencia  
People Advisory Services  
Accounting, Compliance and Reporting (ACR)  
Quantitative Services (I+D)  
Tax, Technology & Transformation

### LEGAL:

Real Estate/Inmobiliario  
Mercantil  
Administrativo/Público  
Laboral  
Concursal  
Financiero  
Digital Law  
Competencia  
Procesal

## STRATEGY AND TRANSACTIONS:

Transaction Diligence  
Valuations & Business Modelling  
Restructuring  
Real Estate  
M&A (Mergers and Acquisitions)  
EY-Parthenon (Strategy)



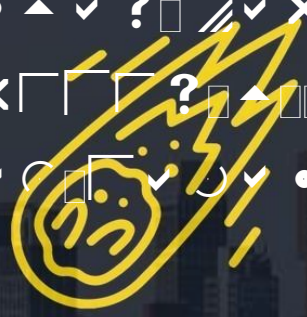
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Crecimiento<sup>3</sup>

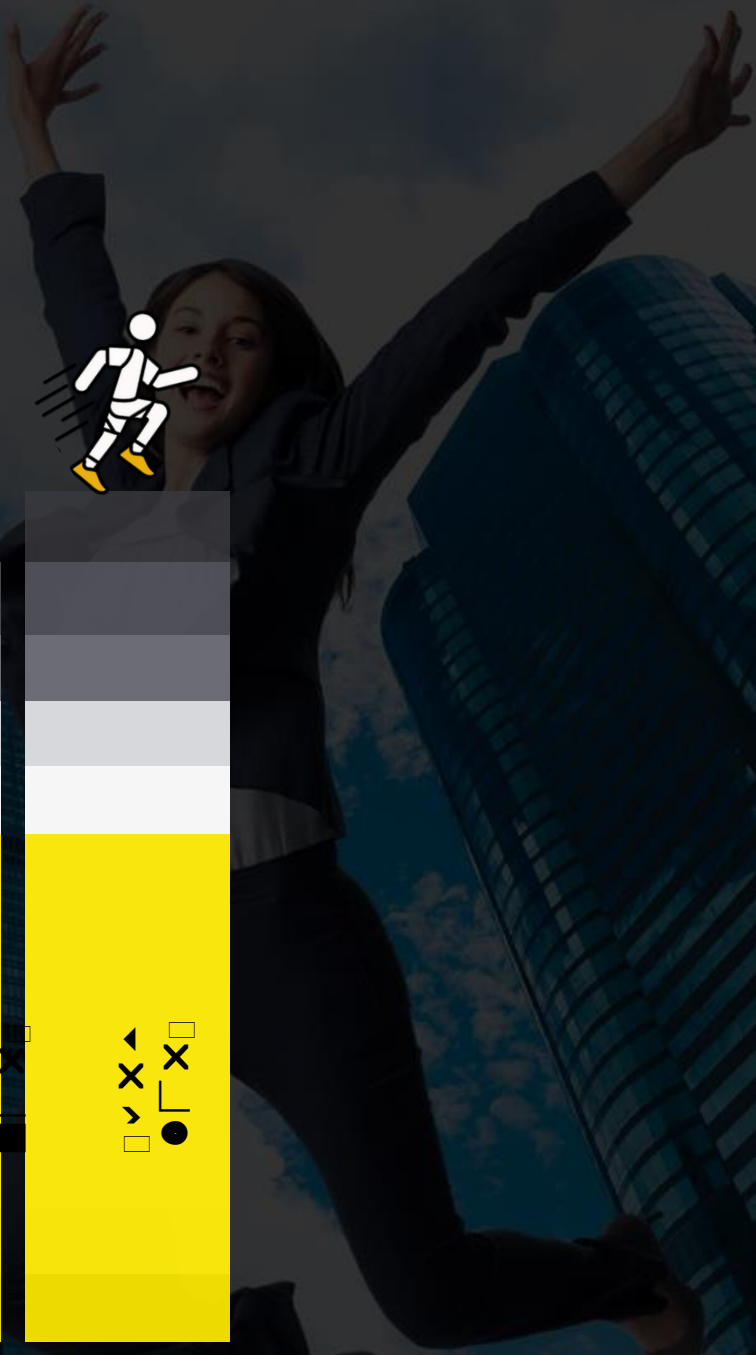
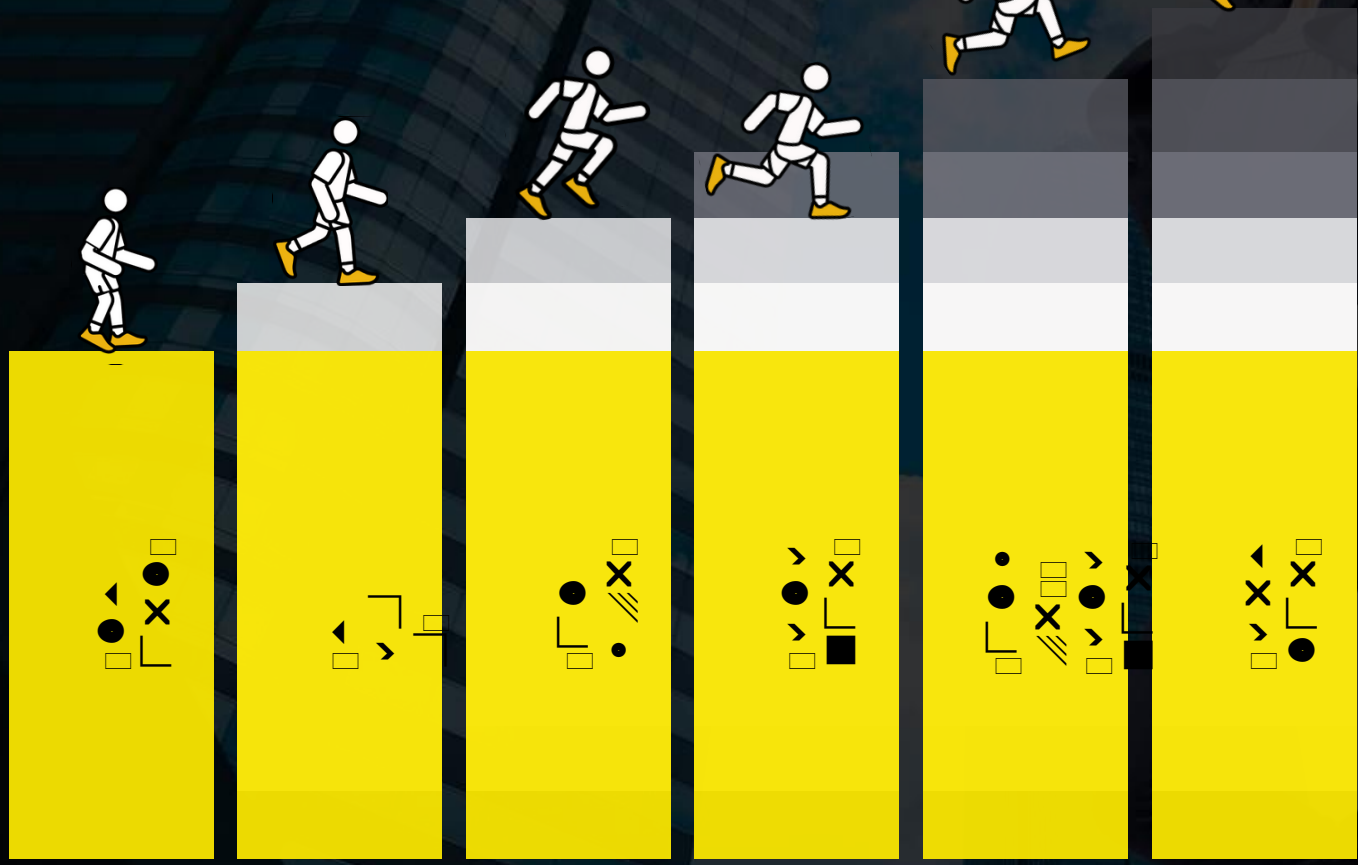
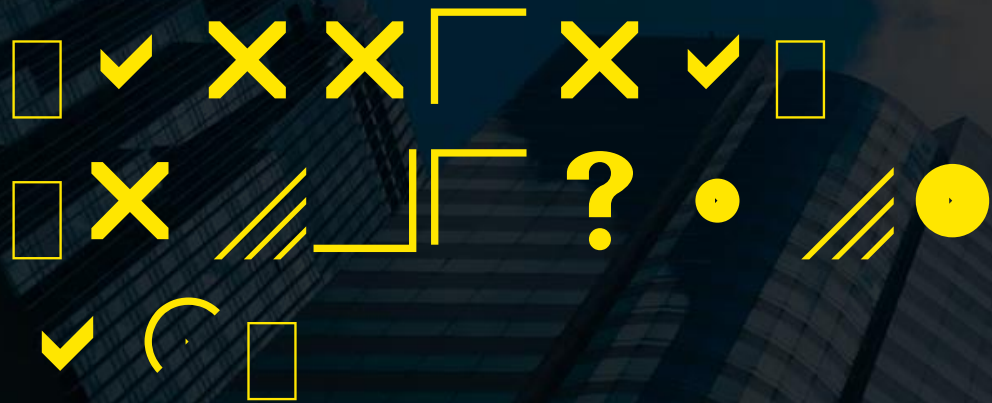


Conexiones con impacto

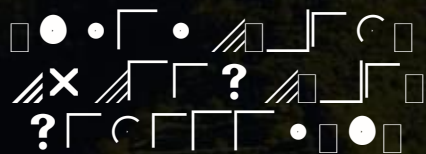
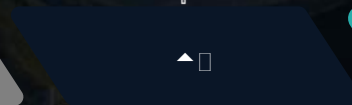
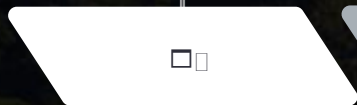
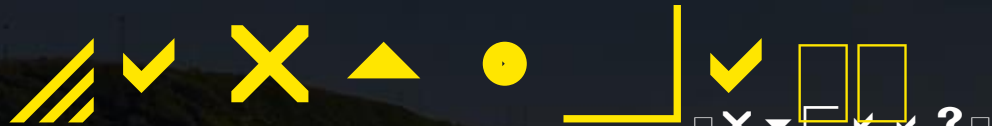


Crea el mañana





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## BACKGROUND

### Grado en Física

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- ▶ Inquietudes
- ▶ Desarrollo de competencias y habilidades
- ▶ Inmersión en el mercado laboral

### Máster

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- ▶ Especialización
- ▶ Refuerzo de *skills* validables en el mundo laboral
- ▶ Primeras experiencias profesionales

### Mercado laboral

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- ▶ Primeras prácticas y experiencias
- ▶ Desarrollo personal
- ▶ Observar e interiorizar necesidades del sector: ¿Qué valor puedo aportar?

## DATA SCIENCE

### Competencias

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- ▶ Alineación entre las habilidades requeridas en ambas disciplinas
- ▶ Capacidad de síntesis y abstracción
- ▶ Autonomía y adaptabilidad para trabajar en contextos interdisciplinarios
- ▶ Razonamiento crítico y gestión de información

### Skills

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- ▶ Conocimientos demandados en el mercado laboral
- ▶ Similitudes entre las habilidades requeridas en la física y en la ciencia de datos
- ▶ Gestión y modelado de datos, análisis, programación y resolución de problemas en medios no habituales

## EY FSO

### EY EMEA FSO



- ▶ AI & Data
- ▶ Proyectos relativos al ámbito financiero
- ▶ Abanico de tecnologías y plataformas

### El mundo del dato



- ▶ Data Architecture
- ▶ Data Analytics
- ▶ IA
- ▶ Quantum computing (IBM)
- ▶ Proyectos interdisciplinarios
- ▶ Gestión efectiva de datos: capacidad de servicio al cliente según demanda
- ▶ Analítica avanzada mediante el uso de herramientas y tecnologías punteras

## EL DÍA A DÍA

### Dinámica grupal – trabajo en equipo



- ▶ Equipo formado por: EY, cliente y *vendor*
- ▶ Transferencia de conocimiento

### Proyecto: Financial Crime Compliance - AML



- ▶ Modelo común de detección de posibles casos de blanqueo de dinero (AML)
- ▶ Uso de algoritmos de Inteligencia Artificial (modelos semi y no supervisados) que aporta un valor superior a los modelos de detección tradicionales basados en reglas fijas
- ▶ Análisis funcional y de negocio con el cliente
- ▶ Desarrollo de *features* en base al estudio de riesgos valorados por el banco
- ▶ Desarrollo y ejecución de modelos de calidad de datos para la detección de anomalías con modelos de IA dentro de un motor de *transaction monitoring*
- ▶ ETLs dinámicas en plataforma Big Data
- ▶ Plataforma E2E: visualización de alertas



### Cloud Consulting

- Assistance in cloud journey
- Cloud Center of Excellence
- Migration assessment and
- FinOps (Cloud Cost Mgmt.)

### Cloud Security & Compliance

- Governance, Risk and control
- Cloud Security framework and

### Cloud Engineering

- Landing Zone build and
- Cloud Native Architecture design

(container and K8s)

- Infrastructure as code
- CI/CD Pipelines

### CloudOps

- Maintenance
- Monitoring and Security



aws



Google Cloud



Azure



GitHub



HashiCorp



OpenShift

Cloud & Devops

Digital Architecture

### Solutions Architecture

- Business Applications
- Digital Services

### Technical Architecture

- Reactive Architecture
- Microservice Architecture
- Transactions MSA
- Event Driven Architecture
- API Management Solutions

### Observability

- Traceabilities & Logs
- Metrics
- Dashboards



Drools



Prometheus



Docker



Vertx



Open Api Initiative



AsyncAPI



AxonFramework

Blockchain

### Digital Asset Strategy

- **Regulatory and Technological Landscape Analysis:** Understand the current state of regulations and technology, enabling you to navigate the digital asset environment effectively.
- **Potential Advantages Assessment:** Uncover the potential benefits of implementing this technologies in operations, including increased efficiency, improved scalability, and growth opportunities.
- **Comprehensive Strategic Planning:** Develop a detailed plan for the initiation, operation, and maintenance of digital asset solutions, ensuring a smooth and well-thought-out implementation.
- **Solutions Implementation & Deployment:** Deploy robust solutions that address significant aspects of digital assets, such as custody, tokenization, payments, etc., tailored to meet your specific needs.

### Blockchain for the financial sector

- Team of experts specializing in financial services use cases focused on developing services and products on leading public and private blockchains

### DLT Projects

- Detailed analysis of the applicable use cases to the business problem at hand.
- Definition of architecture strategy and the DLT technologies used.
- End-to-end project execution.
- Subsequent support and tracking of results.

