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SymbIAG: A Collaborative Approach to AI Governance

The SymbIAG Framework emerges as a pivotal solution at the intersection of artificial intelligence (AI) governance, AI services lifecycle management, and AI industrialization. In response to the dynamic landscape of AI technologies, this framework embodies a collaborative and systematic approach, fostering the responsible development, deployment, and continual enhancement of AI services. Grounded in the principles of AI governance, the SymbIAG Framework integrates ethical considerations and regulatory compliance from project inception. This proactive strategy enables organizations to address risks, build trust, and seamlessly integrate AI into societal frameworks. The framework's adaptability facilitates continuous improvement, allowing organizations to industrialize AI by iteratively enhancing performance and staying responsive to evolving societal needs. Addressing biases and ensuring accountability, the SymbIAG Framework champions a comprehensive approach to AI service lifecycle management. Rigorous monitoring and auditing empower organizations to rectify biases, promoting inclusivity and mitigating discriminatory impacts. Acknowledging environmental considerations, the framework optimizes resource usage and minimizes ecological footprints. In summary, the SymbIAG Framework stands as a cornerstone in the realm of effective AI governance, unlocking the full potential of AI while contributing responsibly to societal advancement. This paper outlines the framework's key components, research approach, and requirements, presenting a structured methodology for collaborative AI service lifecycle management and industrialization.

Keywords: AI, AI Service, AI Economy, AI Services Lifecycle Management, AI Service Governance

Biography

Dr. David Roldan Martinez has a 20 years of experience in software systems architecture. Holding a PhD in Telecommunications Engineering, He is also an Associate Professor at the Universitat Politècnica de València and a researcher at VRAIN, where he is working on a second PhD. His expertise lies in APIs and their applications across sectors like Banking, Insurance, and Retail, as well as in Artificial Intelligence and Digital Transformation. Additionally, He is a prolific scientific-technical popularizer with over twenty books, and he have a keen interest in personal development and coaching.