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Nota di contenuto	Defense acquisition process data, and workforce: the short version -- Data science and the data life cycle: the short version -- Data science in DoD acquisition -- Data life cycle mindset, skillset, and toolset: roles and teams -- Preparing and sustaining a data-capable defence acquisition workforce -- Finding, conclusions, and recommendations -- Appendix A. Meeting and workshop agendas -- Appendix B. Defence acquisition notes -- Appendix C. Data science case studies in defense acquisition -- Appendix D. Skills for data science mastery -- Appendix E. Glossary of terms, abbreviations, and acronyms --

Appendix F. Committee member biographies.

Sommario/riassunto

"The effective use of data science (the science and technology of extracting value from data) improves, enhances, and strengthens acquisition decision-making and outcomes. Using data science to support decision making is not new to the defense acquisition community; its use by the acquisition workforce has enabled acquisition and thus defense successes for decades. Still, more consistent and expanded application of data science will continue improving acquisition outcomes, and doing so requires coordinated efforts across the defense acquisition system and its related communities and stakeholders. Central to that effort is the development, growth, and sustainment of data science capabilities across the acquisition workforce. At the request of the Under Secretary of Defense for Acquisition and Sustainment, this book assesses how data science can improve acquisition processes and develops a framework for training and educating the defense acquisition workforce to better exploit the application of data science. This report identifies opportunities where data science can improve acquisition processes, the relevant data science skills and capabilities necessary for the acquisition workforce, and relevant models of data science training and education" --