

agile methodology for business analyst

Agile Methodology for Business Analyst: Revolutionizing Business Analysis in the Modern Workplace

By: Anya Sharma, CBAP, PMI-PBA

Anya Sharma is a seasoned Business Analyst with over 15 years of experience in various industries, including finance, technology, and healthcare. She holds the Certified Business Analysis Professional (CBAP) and Project Management Professional – Business Analysis (PMI-PBA) certifications and is a recognized expert in Agile methodologies for business analysis.

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Edited by: David Chen, PMP, CSM – David Chen is an experienced editor with a background in project management and a deep understanding of Agile principles. He holds a Project Management Professional (PMP) certification and a Certified ScrumMaster (CSM) certification.

Abstract: This article explores the profound impact of agile methodology for business analysts, examining its core principles, practical applications, and implications for the industry. We delve into the key shifts required in the business analyst's role within agile frameworks, showcasing the benefits and challenges associated with adopting agile methodologies. The article also provides practical tips and considerations for business analysts looking to integrate agile practices into their work.

1. The Agile Transformation: How it Affects Business Analysts

The adoption of agile methodologies has fundamentally reshaped software development and project management, and its influence extends deeply into the realm of business analysis. Traditional, waterfall-based approaches, with their rigid sequential phases, are giving way to the iterative and incremental nature of agile. This shift necessitates a significant change in the role and responsibilities of the business analyst. Instead of meticulously documenting requirements upfront, agile business analysts are now involved in continuous collaboration, iterative feedback loops, and rapid adaptation.

2. Core Agile Principles for Business Analysts

Agile methodologies, such as Scrum and Kanban, are underpinned by core principles that are crucial for business analysts to understand and implement. These include:

Iterative Development: Delivering value in small, manageable increments.
Collaboration: Working closely with developers, stakeholders, and the product owner.
Continuous Feedback: Regularly gathering feedback and adapting based on insights.
Flexibility and Adaptability: Embracing change and adjusting plans as needed.
Transparency: Maintaining open communication and visibility throughout the process.

3. Agile Frameworks and the Business Analyst's Role

Different agile frameworks, like Scrum and Kanban, influence the business analyst's role in unique ways. In Scrum, the business analyst actively participates in sprint planning, daily stand-ups, sprint reviews, and retrospectives. They contribute to defining user stories, creating acceptance criteria, and ensuring that the development team understands the business needs. In Kanban, the emphasis is on continuous flow and visualizing workflow, requiring the business analyst to prioritize tasks and ensure a smooth flow of requirements.

4. Key Skills for Agile Business Analysts

Successfully navigating the agile landscape requires business analysts to possess a specific skill set:

Strong Communication Skills: Agile relies heavily on collaboration, demanding excellent communication skills.
Adaptability and Flexibility: The ability to embrace change and adapt to shifting priorities is crucial.
Collaboration and Teamwork: Working effectively within cross-functional teams is essential.
Problem-Solving and Critical Thinking: Agile requires quick problem-solving and creative solutions.
Technical Proficiency: Understanding technical aspects of the development process enhances collaboration.

5. Challenges of Agile Methodology for Business Analysts

Despite its advantages, adopting agile methodology for business analysts also presents certain challenges:

Shift in Mindset: Moving from detailed documentation upfront to continuous collaboration requires a significant mindset shift.
Managing Stakeholder Expectations: Keeping stakeholders informed and managing their expectations in an iterative process requires careful communication.
Balancing Detail with Speed: Finding the right balance between sufficient detail and the speed required by agile can be tricky.
Skill Gaps: Not all business analysts possess the required skills for agile methodologies.

6. Benefits of Agile Methodology for Business Analysts

The benefits of adopting agile methodology for business analysts are significant:

Increased Stakeholder Satisfaction: Continuous feedback and collaboration lead to higher stakeholder satisfaction.
Improved Product Quality: Iterative development and continuous testing lead to better quality

products.

Faster Time to Market: Incremental delivery allows for quicker release cycles and faster time to market.

Reduced Risk: Frequent feedback and adaptation minimize risks and allow for early detection of problems.

Enhanced Collaboration: Agile fosters strong collaboration between business analysts, developers, and stakeholders.

7. Implementing Agile Methodology for Business Analysts: Practical Tips

Start Small: Begin with a pilot project to gain experience and refine processes.

Invest in Training: Provide training to business analysts on agile principles and practices.

Embrace Collaboration: Foster a collaborative environment and encourage open communication.

Utilize Agile Tools: Leverage agile project management tools to support the process.

Continuously Improve: Regularly review and improve the agile processes.

8. The Future of Agile Methodology for Business Analysts

The future of agile methodology for business analysis is bright. As businesses increasingly embrace agile, the demand for skilled agile business analysts will continue to grow. The adoption of advanced technologies, such as AI and automation, will further influence the role of the business analyst, requiring them to adapt and acquire new skills.

Conclusion:

Agile methodology for business analysts represents a significant shift from traditional approaches. By embracing the principles of collaboration, iteration, and continuous feedback, business analysts can significantly contribute to the success of agile projects, delivering higher-quality products, increased stakeholder satisfaction, and faster time to market. While challenges exist, the benefits far outweigh the hurdles, making the adoption of agile methodologies a crucial step for business analysts seeking to thrive in the modern workplace.

FAQs:

1. What is the difference between a traditional business analyst and an agile business analyst?
Traditional BAs focus on upfront requirements gathering and documentation, while agile BAs are more involved in continuous collaboration, iterative feedback, and adaptive planning.
1. Which agile framework is best for business analysts? The optimal framework depends on the project's specifics, but Scrum and Kanban are commonly used.

1. How can I improve my skills as an agile business analyst? Seek training, participate in agile projects, and continuously develop your communication, collaboration, and problem-solving skills.
1. What are the common challenges faced when transitioning to agile? Resistance to change, lack of training, and difficulty managing stakeholder expectations are common hurdles.
1. How does agile methodology improve communication in a project? Agile promotes continuous communication through daily stand-ups, sprint reviews, and other collaborative activities.
1. What tools can help business analysts in an agile environment? Jira, Trello, Azure DevOps, and Confluence are popular choices.
1. Is agile suitable for all projects? While agile is highly effective for many projects, it may not be the best fit for all projects, especially those with highly fixed requirements.
1. How does agile methodology address risk management? Agile's iterative nature allows for early identification and mitigation of risks.
1. What are the key metrics used to track progress in agile projects? Velocity, sprint burndown, and cycle time are common metrics.

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Cooke, 2013 Agile methodologies go to great lengths to provide developers with the tools and support they need to produce world-class software. Yet, they rely on individual business users having sufficient knowledge, vision, objectivity, and time to ensure the best possible business solution is delivered. When business users do not receive the equivalent level of collaboration and validation that is provided to Agile developers, the team risks having the software development succeed and the overall project fail. Having an Agile business analyst on the project provides business users with critical support in identifying, verifying, and prioritizing requirements. An Agile business analyst provides Agile developers with a business-knowledgeable resource, working with them throughout the project, including valuable assistance in their analysis, design, testing, and implementation work. Drawing on over 20 years' experience as a senior business analyst and international solutions consultant, Jamie Lynn Cooke details 30 achievable ways in which Agile business analysts can increase the relevance, quality, and overall business value of your solutions, and position your projects to receive ongoing funding and executive support. Read this book and discover how an Agile business analyst can significantly increase the value of your solution.

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Hafedh Mili, 2011-03-23 Business rules are everywhere. Every enterprise process, task, activity, or function is governed by rules. However, some of these rules are implicit and thus poorly enforced, others are written but not enforced, and still others are perhaps poorly written and obscurely enforced. The business rule approach looks for ways to elicit, communicate, and manage business rules in a way that all stakeholders can understand, and to enforce them within the IT infrastructure in a way that supports their traceability and facilitates their maintenance. Boyer and Mili will help you to adopt the business rules approach effectively. While most business rule development methodologies put a heavy emphasis on up-front business modeling and analysis, agile business rule development (ABRD) as introduced in this book is incremental, iterative, and test-driven. Rather than spending weeks discovering and analyzing rules for a complete business function, ABRD puts the emphasis on producing executable, tested rule sets early in the project without jeopardizing the quality, longevity, and maintainability of the end result. The authors' presentation covers all four aspects required for a successful application of the business rules approach: (1) foundations, to understand what business rules are (and are not) and what they can do for you; (2) methodology, to understand how to apply the business rules approach; (3) architecture, to understand how rule automation impacts your application; (4) implementation, to actually deliver the technical solution within the context of a particular business rule management system (BRMS). Throughout the book, the authors use an insurance case study that deals with claim processing. Boyer and Mili cater to

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to: Incorporate behaviour-driven development into the work that the business analyst does to support interface design; Align the programme management strategies of the Scaled Agile Framework (SAFe) to encourage cross-organisational communication and participation; Include full updates throughout the Qualifications section in 'Getting the Right Agile Business Analyst for Your Team'; and Provide Agile updates, bringing the book back into line with current methods. Support your Agile business user for better project outcomes.

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National Project Awards 2019 - Project Management Literature Category The business analyst role can cover a wide range of responsibilities, including the elicitation and documenting of business requirements, upfront strategic work, design and implementation phases. Typical difficulties faced by analysts include stakeholders who disagree or don't know their requirements, handling estimates and project deadlines that conflict, and what to do if all the requirements are top priority. The Business Analysis Handbook offers practical solutions to these and other common problems which arise when uncovering requirements or conducting business analysis. Getting requirements right is difficult; this book offers guidance on delivering the right project results, avoiding extra cost and work, and increasing the benefits to the organization. The Business Analysis Handbook provides an understanding of the analyst role and the soft skills required, and outlines industry standard tools and techniques with guidelines on their use to suit the most appropriate situations. Covering numerous techniques such as Business Process Model and Notation (BPMN), use cases and user stories, this essential guide also includes standard templates to save time and ensure nothing important is missed.

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agile methodology for business analyst: *Getting and Writing IT Requirements in a Lean and Agile World* Thomas and Angela Hathaway, 2019-07-15 WHAT IS THIS BOOK ABOUT?

Communicate Business Needs in an Agile (e.g. Scrum) or Lean (e.g. Kanban) Environment Problem solvers are in demand in every organization, large and small, from a Mom and Pop shop to the federal government. Increase your confidence and your value to organizations by improving your ability to analyze, extract, express, and discuss business needs in formats supported by Agile, Lean, and DevOps. The single largest challenge facing organizations around the world is how to leverage their Information Technology to gain competitive advantage. This is not about how to program the devices; it is figuring out what the devices should do. The skills needed to identify and define the best IT solutions are invaluable for every role in the organization. These skills can propel you from the mail room to the boardroom by making your organization more effective and more profitable. Whether you: - are tasked with defining business needs for a product or existing software, - need to prove that a digital solution works, - want to expand your User Story and requirements discovery toolkit, or - are interested in becoming a Business Analyst, this book presents invaluable ideas that you can steal. The future looks bright for those who embrace Lean concepts and are prepared to engage with the business community to ensure the success of Agile initiatives. WHAT YOU WILL LEARN Learn Step by Step When and How to Define Lean / Agile Requirements Agile, Lean, DevOps, and Continuous Delivery do not change the need for good business analysis. In this book, you will learn how the new software development philosophies influence the discovery, expression, and analysis of business needs. We will cover User Stories, Features, and Quality Requirements (a.k.a. Non-functional Requirements - NFR). User Story Splitting and Feature Drill-down transform business needs into technology solutions. Acceptance Tests (Scenarios, Scenario Outlines, and Examples) have become a critical part of many Lean development approaches. To support this new testing paradigm, you will also learn how to identify and optimize Scenarios, Scenario Outlines, and Examples in GIVEN-WHEN-THEN format (Gherkin) that are the bases for Acceptance Test Driven Development (ATDD) and Behavior Driven Development (BDD). This book presents concrete

approaches that take you from day one of a change initiative to the ongoing acceptance testing in a continuous delivery environment. The authors introduce novel and innovative ideas that augment tried-and-true techniques for: - discovering and capturing what your stakeholders need, - writing and refining the needs as the work progresses, and - developing scenarios to verify that the software does what it should. Approaches that proved their value in conventional settings have been redefined to ferret out and eliminate waste (a pillar of the Lean philosophy). Those approaches are fine-tuned and perfected to support the Lean and Agile movement that defines current software development. In addition, the book is chock-full of examples and exercises that allow you to confirm your understanding of the presented ideas. WHO WILL BENEFIT FROM READING THIS BOOK? How organizations develop and deliver working software has changed significantly in recent years. Because the change was greatest in the developer community, many books and courses justifiably target that group. There is, however, an overlooked group of people essential to the development of software-as-an-asset that have been neglected. Many distinct roles or job titles in the business community perform business needs analysis for digital solutions. They include: - Product Owners - Business Analysts - Requirements Engineers - Test Developers - Business- and Customer-side Team Members - Agile Team Members - Subject Matter Experts (SME) - Project Leaders and Managers - Systems Analysts and Designers - AND “anyone wearing the business analysis hat”, meaning anyone responsible for defining a future IT solution TOM AND ANGELA’S (the authors) STORY Like all good IT stories, theirs started on a project many years ago. Tom was the super techie, Angela the super SME. They fought their way through the 3-year development of a new policy maintenance system for an insurance company. They vehemently disagreed on many aspects, but in the process discovered a fundamental truth about IT projects. The business community (Angela) should decide on the business needs while the technical team’s (Tom)’s job was to make the technology deliver what the business needed. Talk about a revolutionary idea! All that was left was learning how to communicate with each other without bloodshed to make the project a resounding success. Mission accomplished. They decided this epiphany was so important that the world needed to know about it. As a result, they made it their mission (and their passion) to share this ground-breaking concept with the rest of the world. To achieve that lofty goal, they married and began the mission that still defines their life. After over 30 years of living and working together 24x7x365, they are still wildly enthusiastic about helping the victims of technology learn how to ask for and get the IT solutions they need to do their jobs better. More importantly, they are more enthusiastically in love with each other than ever before!

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agile methodology for business analyst: *Writing Effective User Stories* Thomas and Angela Hathaway, 2013-07-29 WHAT IS THIS BOOK ABOUT? This Book Is About the “Card” (User Story: Card, Criteria, Conversation) User Stories are a great method for expressing stakeholder requirements, whether your projects follow an Agile, Iterative, or a Waterfall methodology. They are the basis for developers to deliver a suitable information technology (IT) app or application. Well-structured user stories express a single action to achieve a specific goal from the perspective of

a single role. When writing user stories, stakeholders knowledgeable about the role should focus on the business result that the IT solution will enable while leaving technology decisions up to the developers. Good user stories are relevant to the project, unambiguous, and understandable to knowledge peers. The best user stories also contain crucial non-functional (quality) requirements, which are the best weapon in the war against unsatisfactory performance in IT solutions. This book presents two common user story structures to help you ensure that your user stories have all the required components and that they express the true business need as succinctly as possible. It offers five simple rules to ensure that your user stories are the best that they can be. That, in turn, will reduce the amount of time needed in user story elaboration and discussion with the development team. This book targets business professionals who are involved with an IT project, Product Owners in charge of managing a backlog, or Business Analysts working with an Agile team.

Author's Note

The term "User Story" is a relative new addition to our language and its definition is evolving. In today's parlance, a complete User Story has three primary components, namely the "Card", the "Conversation", and the "Criteria". Different roles are responsible for creating each component. The "Card" expresses a business need. A representative of the business community is responsible for expressing the business need. Historically (and for practical reasons) the "Card" is the User Story from the perspective of the business community. Since we wrote this book specifically to address that audience, we use the term "User Story" in that context throughout. The "Conversation" is an ongoing discussion between a developer responsible for creating software that meets the business need and the domain expert(s) who defined it (e.g., the original author of the "Card"). The developer initiates the "Conversation" with the domain expert(s) to define the "Criteria" and any additional information the developer needs to create the application. There is much to be written about both the "Conversation" and the "Criteria", but neither component is dealt with in any detail in this publication. A well-written User Story ("Card") can drastically reduce the time needed for the "Conversation". It reduces misinterpretations, misunderstandings, and false starts, thereby paving the way for faster delivery of working software. We chose to limit the content of this publication to the "User Story" as understood by the business community to keep the book focused and address the widest possible audience.

WHO WILL BENEFIT FROM READING THIS BOOK?

How organizations develop and deliver working software has changed significantly in recent years. Because the change was greatest in the developer community, many books and courses justifiably target that group. There is, however, an overlooked group of people essential to the development of software-as-an-asset that have been neglected. Many distinct roles or job titles in the business community perform business needs analysis for digital solutions. They include: - Product Owners - Business Analysts - Requirements Engineers - Test Developers - Business- and Customer-side Team Members - Agile Team Members - Subject Matter Experts (SME) - Project Leaders and Managers - Systems Analysts and Designers - AND "anyone wearing the business analysis hat", meaning anyone responsible for defining a future IT solution.

TOM AND ANGELA'S (the authors) STORY

Like all good IT stories, theirs started on a project many years ago. Tom was the super techie, Angela the super SME. They fought their way through the 3-year development of a new policy maintenance system for an insurance company. They vehemently disagreed on many aspects, but in the process discovered a fundamental truth about IT projects. The business community (Angela) should decide on the business needs while the technical team's (Tom)'s job was to make the technology deliver what the business needed. Talk about a revolutionary idea! All that was left was learning how to communicate with each other without bloodshed to make the project a resounding success. Mission accomplished. They decided this epiphany was so important that the world needed to know about it. As a result, they made it their mission (and their passion) to share this ground-breaking concept with the rest of the world. To achieve that lofty goal, they married and began the mission that still defines their life. After over 30 years of living and working together 24x7x365, they are still wildly enthusiastic about helping the victims of technology learn how to ask for and get the digital (IT) solutions they need to do their jobs better. More importantly, they are more enthusiastically in love with each other than ever before!

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agile methodology for business analyst: Agile Data Warehouse Design Lawrence Corr, Jim Stagnitto, 2011-11 Agile Data Warehouse Design is a step-by-step guide for capturing data warehousing/business intelligence (DW/BI) requirements and turning them into high performance dimensional models in the most direct way: by modelstorming (data modeling + brainstorming) with BI stakeholders. This book describes BEAM², an agile approach to dimensional modeling, for improving communication between data warehouse designers, BI stakeholders and the whole DW/BI development team. BEAM² provides tools and techniques that will encourage DW/BI designers and developers to move away from their keyboards and entity relationship based tools and model interactively with their colleagues. The result is everyone thinks dimensionally from the outset! Developers understand how to efficiently implement dimensional modeling solutions. Business stakeholders feel ownership of the data warehouse they have created, and can already imagine how they will use it to answer their business questions. Within this book, you will learn: □ Agile dimensional modeling using Business Event Analysis & Modeling (BEAM²) □ Modelstorming: data modeling that is quicker, more inclusive, more productive, and frankly more fun! □ Telling dimensional data stories using the 7Ws (who, what, when, where, how many, why and how) □ Modeling by example not abstraction; using data story themes, not crow's feet, to describe detail □ Storyboarding the data warehouse to discover conformed dimensions and plan iterative development □ Visual modeling: sketching timelines, charts and grids to model complex process measurement - simply □ Agile design documentation: enhancing star schemas with BEAM² dimensional shorthand notation □ Solving difficult DW/BI performance and usability problems with proven dimensional design patterns Lawrence Corr is a data warehouse designer and educator. As Principal of DecisionOne Consulting, he helps clients to review and simplify their data warehouse designs, and advises vendors on visual data modeling techniques. He regularly teaches agile dimensional modeling courses worldwide and has taught dimensional DW/BI skills to thousands of students. Jim Stagnitto is a data warehouse and master data management architect specializing in the healthcare, financial services, and information service industries. He is the founder of the data warehousing and data mining consulting firm Llumino.

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revolution, which will fundamentally alter how we live and work. Schwab argues that this revolution is different in scale, scope and complexity from any that have come before. Characterized by a range of new technologies that are fusing the physical, digital and biological worlds, the developments are affecting all disciplines, economies, industries and governments, and even challenging ideas about what it means to be human. Artificial intelligence is already all around us, from supercomputers, drones and virtual assistants to 3D printing, DNA sequencing, smart thermostats, wearable sensors and microchips smaller than a grain of sand. But this is just the beginning: nanomaterials 200 times stronger than steel and a million times thinner than a strand of hair and the first transplant of a 3D printed liver are already in development. Imagine “smart factories” in which global systems of manufacturing are coordinated virtually, or implantable mobile phones made of biosynthetic materials. The fourth industrial revolution, says Schwab, is more significant, and its ramifications more profound, than in any prior period of human history. He outlines the key technologies driving this revolution and discusses the major impacts expected on government, business, civil society and individuals. Schwab also offers bold ideas on how to harness these changes and shape a better future—one in which technology empowers people rather than replaces them; progress serves society rather than disrupts it; and in which innovators respect moral and ethical boundaries rather than cross them. We all have the opportunity to contribute to developing new frameworks that advance progress.

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methodologies impact the business analysis responsibility. Who Needs Business Analysis Skills? Although the field of Business Analysis offers great career opportunities for those seeking employment, some level of business analysis skill is essential for any adult in the business world today. Many of the techniques used in the field evolved from earlier lessons learned in systems analysis and have proven themselves to be useful in every walk of life. We have personally experienced how business analysis techniques help even in your private life. We wrote this book for everyday people in the real world to give you a basic understanding of some core business analysis methods and concepts. If this book answers some of your questions, great. If it raises more questions than it answers (implying that it piqued your curiosity), even better. If it motivates you to learn more about this emerging and fascinating topic, it has served its purpose well. WHO WILL BENEFIT FROM READING THIS BOOK? Many distinct roles or job titles in the business community perform business needs analysis for digital solutions. They include: - Product Owners - Business Analysts - Requirements Engineers - Test Developers - Business- and Customer-side Team Members - Agile Team Members - Subject Matter Experts (SME) - Project Leaders and Managers - Systems Analysts and Designers - AND “anyone wearing the business analysis hat”, meaning anyone responsible for defining a future digital solution TOM AND ANGELA’S (the authors) STORY Like all good IT stories, theirs started on a project many years ago. Tom was the super techie, Angela the super SME. They fought their way through the 3-year development of a new policy maintenance system for an insurance company. They vehemently disagreed on many aspects, but in the process discovered a fundamental truth about IT projects. The business community (Angela) should decide on the business needs while the technical team’s (Tom)’s job was to make the technology deliver what the business needed. Talk about a revolutionary idea! All that was left was learning how to communicate with each other without bloodshed to make the project a resounding success. Mission accomplished. They decided this epiphany was so important that the world needed to know about it. As a result, they made it their mission (and their passion) to share this ground-breaking concept with the rest of the world. To achieve that lofty goal, they married and began the mission that still defines their life. After over 30 years of living and working together 24x7x365, they are still wildly enthusiastic about helping the victims of technology learn how to ask for and get the digital (IT) solutions they need to do their jobs better. More importantly, they are more enthusiastically in love with each other than ever before!

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role including typical responsibilities and necessary skills. It signposts useful tools and commonly used methodologies and techniques. A visual career roadmap for business analysts is also included, along with case studies and interviews with practising business analysts.

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right tools, but also the right approach if they're to succeed. With the revised second edition of this hands-on guide, up-and-coming data scientists will learn how to use the Agile Data Science development methodology to build data applications with Python, Apache Spark, Kafka, and other tools. Author Russell Journey demonstrates how to compose a data platform for building, deploying, and refining analytics applications with Apache Kafka, MongoDB, Elasticsearch, d3.js, scikit-learn, and Apache Airflow. You'll learn an iterative approach that lets you quickly change the kind of analysis you're doing, depending on what the data is telling you. Publish data science work as a web application, and affect meaningful change in your organization. Build value from your data in a series of agile sprints, using the data-value pyramid Extract features for statistical models from a single dataset Visualize data with charts, and expose different aspects through interactive reports Use historical data to predict the future via classification and regression Translate predictions into actions Get feedback from users after each sprint to keep your project on track

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