HUDK 5053: Feature Engineering Studio

9/24/19 7:38 PM

Events

Title	Date - Time	Location
<u>Careers in Data Science in Ed</u>	09/25 - 3:00pm	Everett Lounge
<u>AWS: A Simplified Approach to Data Driven Research</u>	09/30 - 9:00am	Webinar
<u>Aligning Learning Analytics with Classroom Needs</u>	10/01 - 12:00pm	NYU Kimmel 405
<u>Columbia Curricular Innovation Fellows Info Session</u>	10/01 - 12:00 10/03 - 4:00	Butler 203 Butler 523
Formal & Informal LA (lunch)	10/4 - 11:00am	GDH 449
<u>Cornell Tech: Day of Data</u>	10/15	Cornell Tech

- THE ROADMAP TO VALUE -

Stage 1: VISION

Description: The goals for the product and it's alignment with the company's strategy
Owner: Product Owner
Frequency: At least annually

Stage 2: PRODUCT ROADMAP

Description: Holistic view of product features that create the product vision
Owner: Product Owner
Frequency: At least biannually

Stage 3: RELEASE PLANNING

Highest Priority Features Launch	High Priority Features Launch

| JAN	FEB	MAR	APR	MAY	JUN	JUL

Description: Release timing for specific product functionality
Owner: Product Owner
Frequency: At least quarterly

(Stages 1-3 are best practices outside of core Scrum)

Release Product
[Per the Release Plan]

Stage 7: SPRINT RETROSPECTIVE

Description: Team refinement of environment and processes to optimize efficiency
Owner: Scrum Team
Frequency: At the end of each sprint
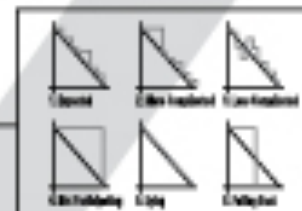
Stage 6: SPRINT REVIEW

Description: Demonstration of working product
Owner: Product Owner and Development Team
Frequency: At the end of each sprint

Stage 5: DAILY SCRUM

24 HOURS

1-4 Weeks

SPRINT

Description: To establish and coordinate priorities of the day
Owner: Development Team
Frequency: Daily

Stage 4: SPRINT PLANNING

Description: Establish specific iteration goals and tasks
Owner: Product Owner and Development Team
Frequency: At the start of each sprint

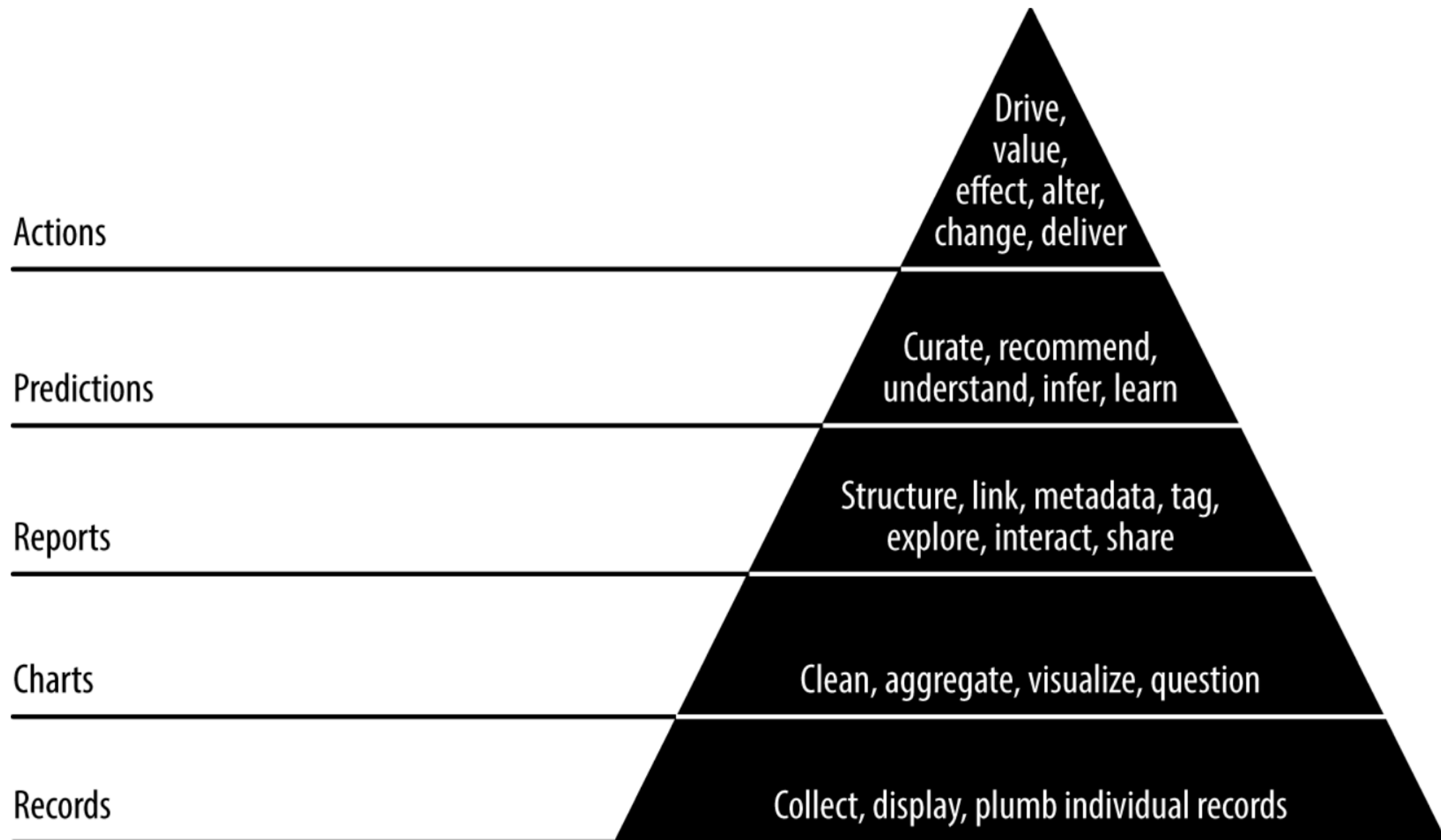**Preparation**   **Execution**

Figure 1. The data-value pyramid. Figure courtesy of Russell Jurney.

Customer, developers, business, data

Sprint Roles

Appoint:

- <u>Product owner</u>: leads the design and idea

- <u>Product facilitator</u>: keeps track of progress, manages tasks

Sprint Plan

- In 15 minutes plan what you will do for the next hour

- What have you completed already?

- What do you need to work on today in the next hour?

- What are the roadblocks?

Sprint Review

- At the end of the hour report out:

  - Vision

  - Working code

Sprint Retrospective

- What worked about how you completed the tasks?

- What did not work?

- What improvements would you make for the next Sprint?