



BUSINESS AND
ANALYTICS ADVISORS

Precognitive Commitment Insights and Delivery

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Business Value

A commitment point is a **Promise** and a **Fact**

Failure to
Deliver

Loss of trust in our services, teams, and
department.

Sandbagging

Under Commit and Over Deliver

Inaccurate
Estimations

Misallocated Time
and Resources

Lost Stakeholder
Value

Solution: A guide for assessing and curating
predictable, actionable, and deliverable
features.

Enabling

Increased
Visibility

Actionable
Roadmap

Accurate
Estimations

Empower our
teams and
stakeholders

Establish IT as
a valuable &
reliable
partner

Save Time
and
Money

Increase
Productivity
and Delivery



Objective: Determine if a team will meet or exceed their PI commitment.

BACKGROUND

- In accordance with Agile best practices, a team will commit to a set level of points prior to the start of each PI.

SCOPE

- Quantify the ability of a team to deliver on their promised commitment.
- Deliver key insights into the factors impacting the ability to meet commitment.

BUSINESS VALUE

- Receive immediate insights from proposed features
- Improve the chance of meeting commitment.
- Save time and money.
- Improve predictability.

KEY DELIVERABLES

1

Predict the probability of a team delivering on their commitment level

- At the beginning of each PI, we will be able to calculate the probability of a team meeting their commitment levels via a deployed deep learning model trained using the data stored in the Version-One tables.

2

Take the 'WA' out of 'SWAG'

- Utilize all the feature information, including SWAG, to make a more scientific and accurate forecast of the work to be delivered for the PI

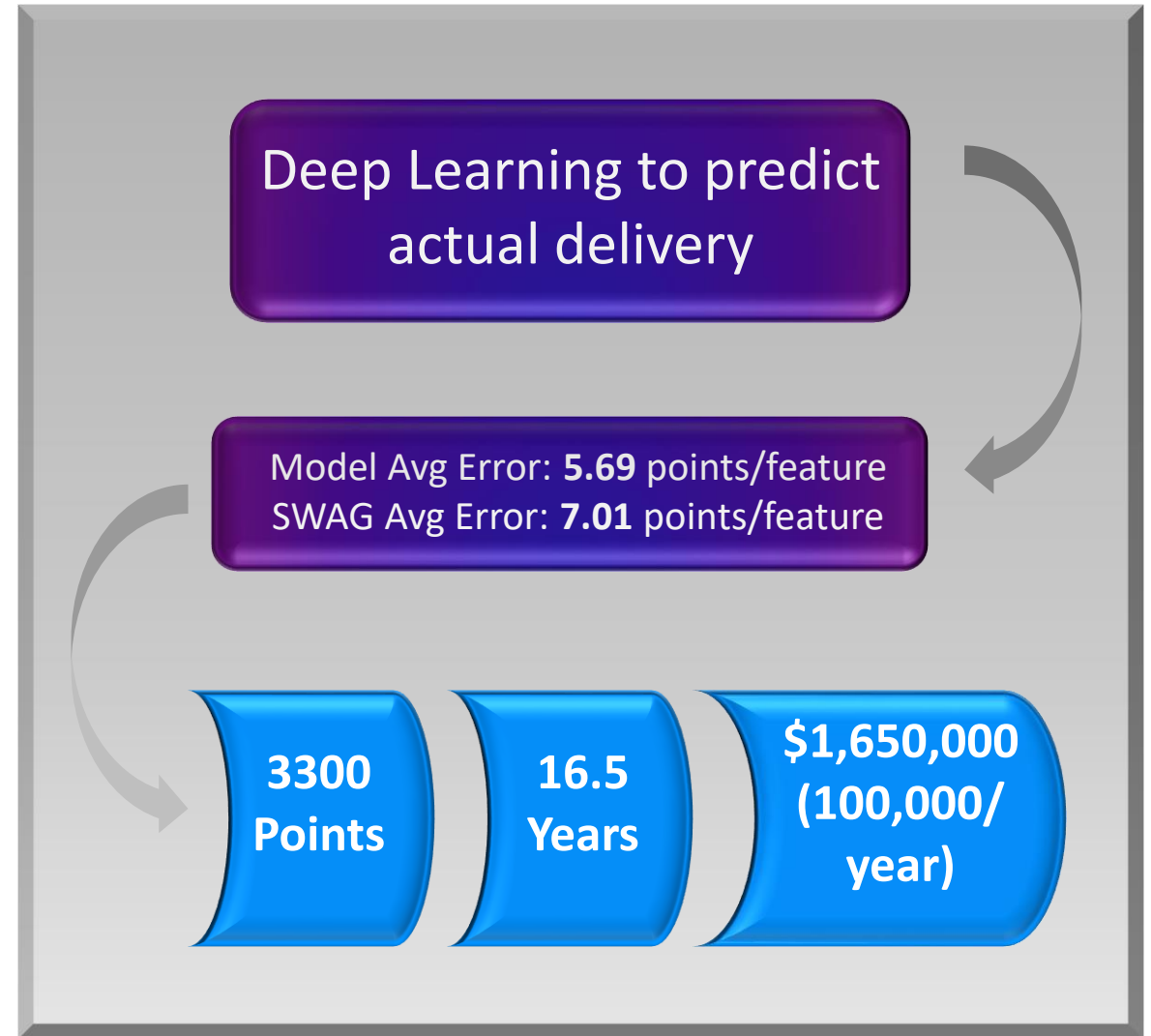
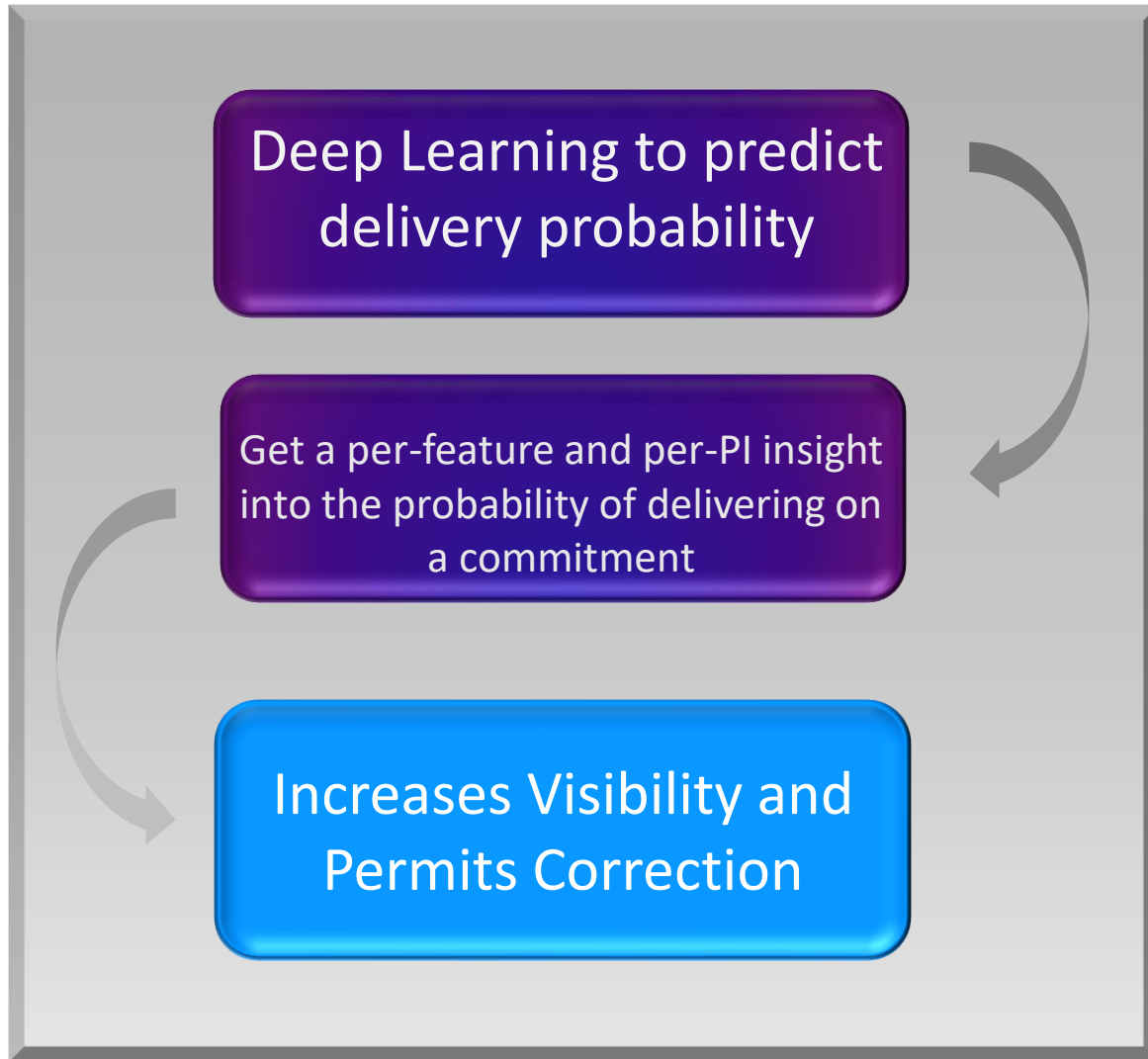
3

Essential insights into the best predictors of actual commitment

- Determine the greatest factors influencing a high probability of commitment and an accurate forecast to generate insights into the qualities of a predictable and deliverable feature.



Deliverable 1 & 2: Delivery Probability and Prediction

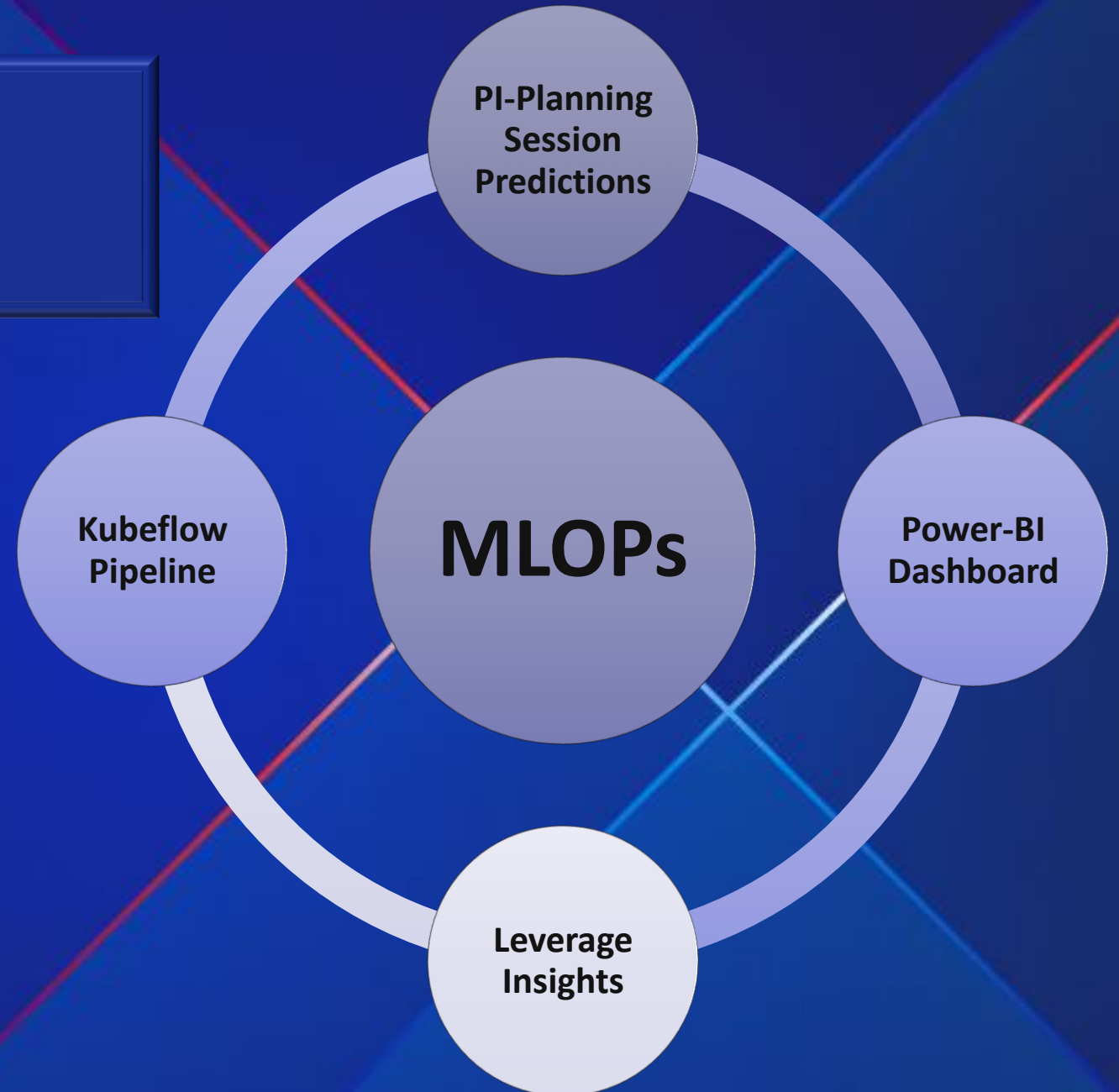


Deliverable 3: Key Predictors of Commitment Delivery



Deployment and Usability Strategies

- **Power-BI Dashboard Features**
 - Commitment Delivery Probabilities and Predictions
 - Historical Team Prediction Error
 - Previous PI prediction error
 - Feature Analysis
 - Is it well-defined?
 - Does it have the right SWAG value?
 - Should it be broken into two features?



Assumptions and Known Limitations

Pointing

- A point represents 1 day of work for 1 person and 8 points represents 10 days of work for 1 person
- All teams may not have this system in place.

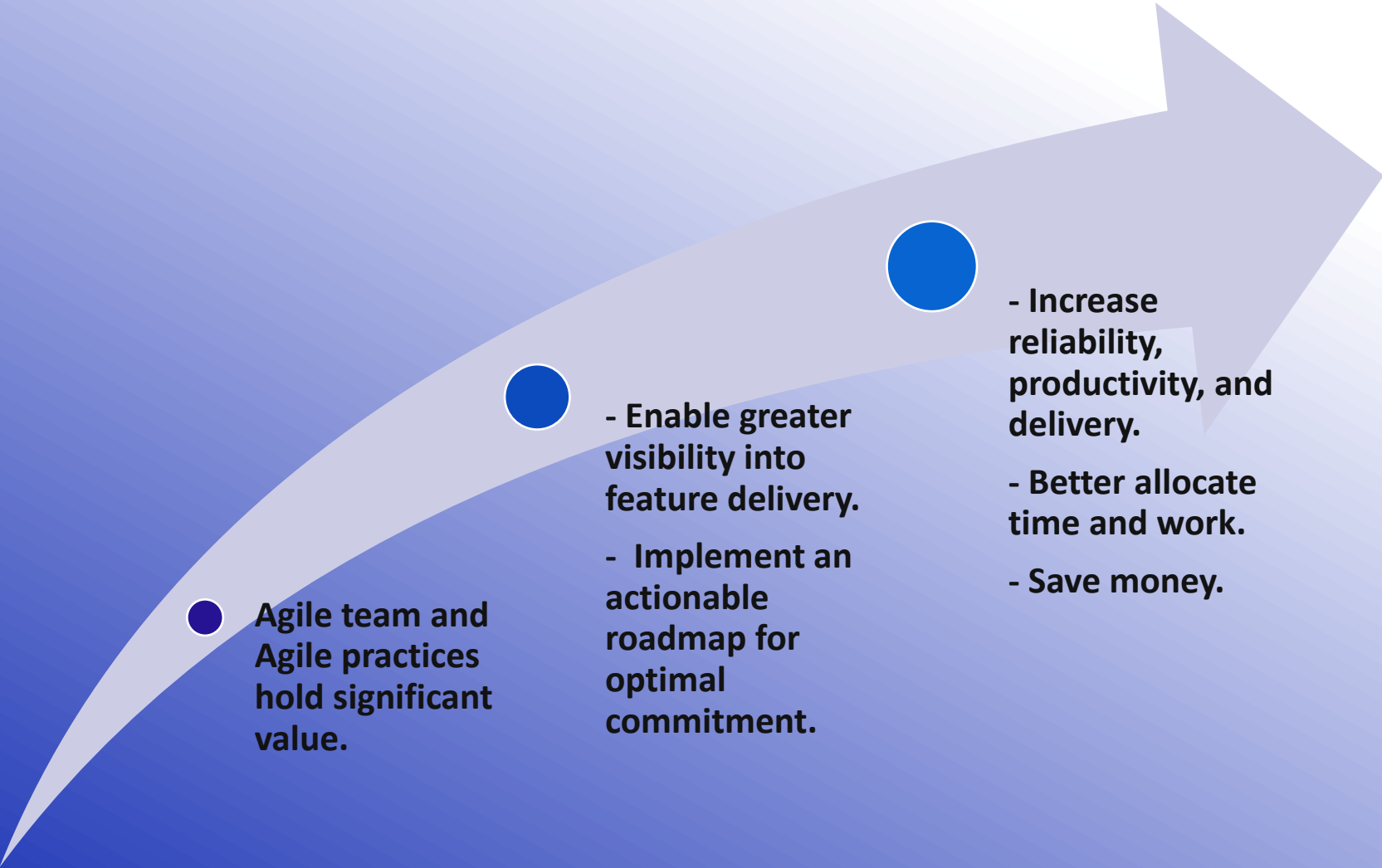
Team Size

- Hard to Control
- Suggestion: Limit the number of owners of a feature to increase communication and productivity.

Model Predictions

- This tool should not be the end all be all with feature construction, but rather a tool and a guide to assist the feature creation process.

Key Takeaways and Business Value



● Agile team and Agile practices hold significant value.

● - Enable greater visibility into feature delivery.
- Implement an actionable roadmap for optimal commitment.

● - Increase reliability, productivity, and delivery.
- Better allocate time and work.
- Save money.



Deliver on our promise and uphold our reputation.

