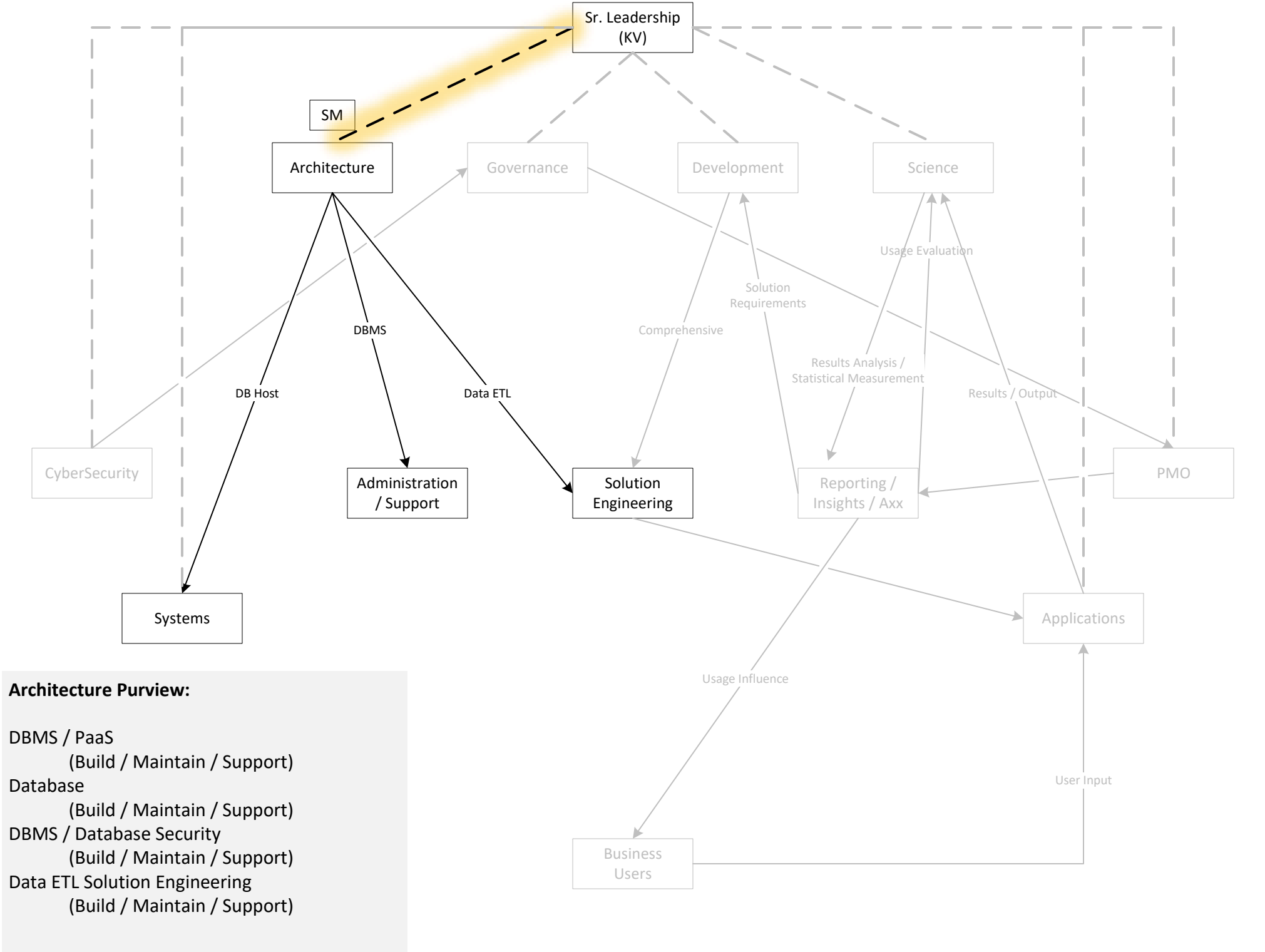


This diagram generally illustrates the functional layout of our current environment from the perspective of the Database team (Craig, Todd, Steve, Josh)

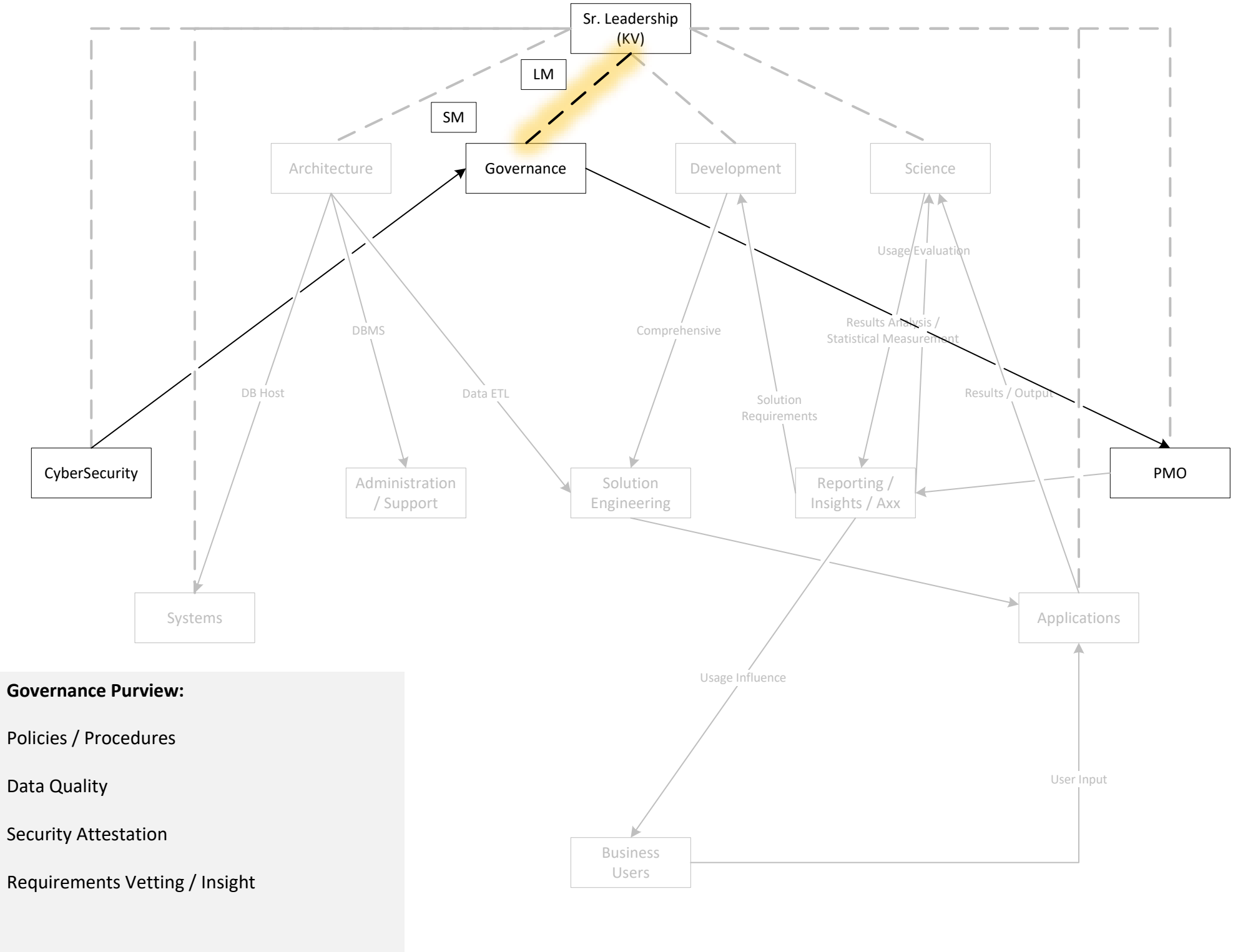
The highlighted lines refer to the reporting relationships between each function and the CIO.

The Architecture, Governance, Development, and Science objects refer to those functions within the scope of the “Data” ecosystem.



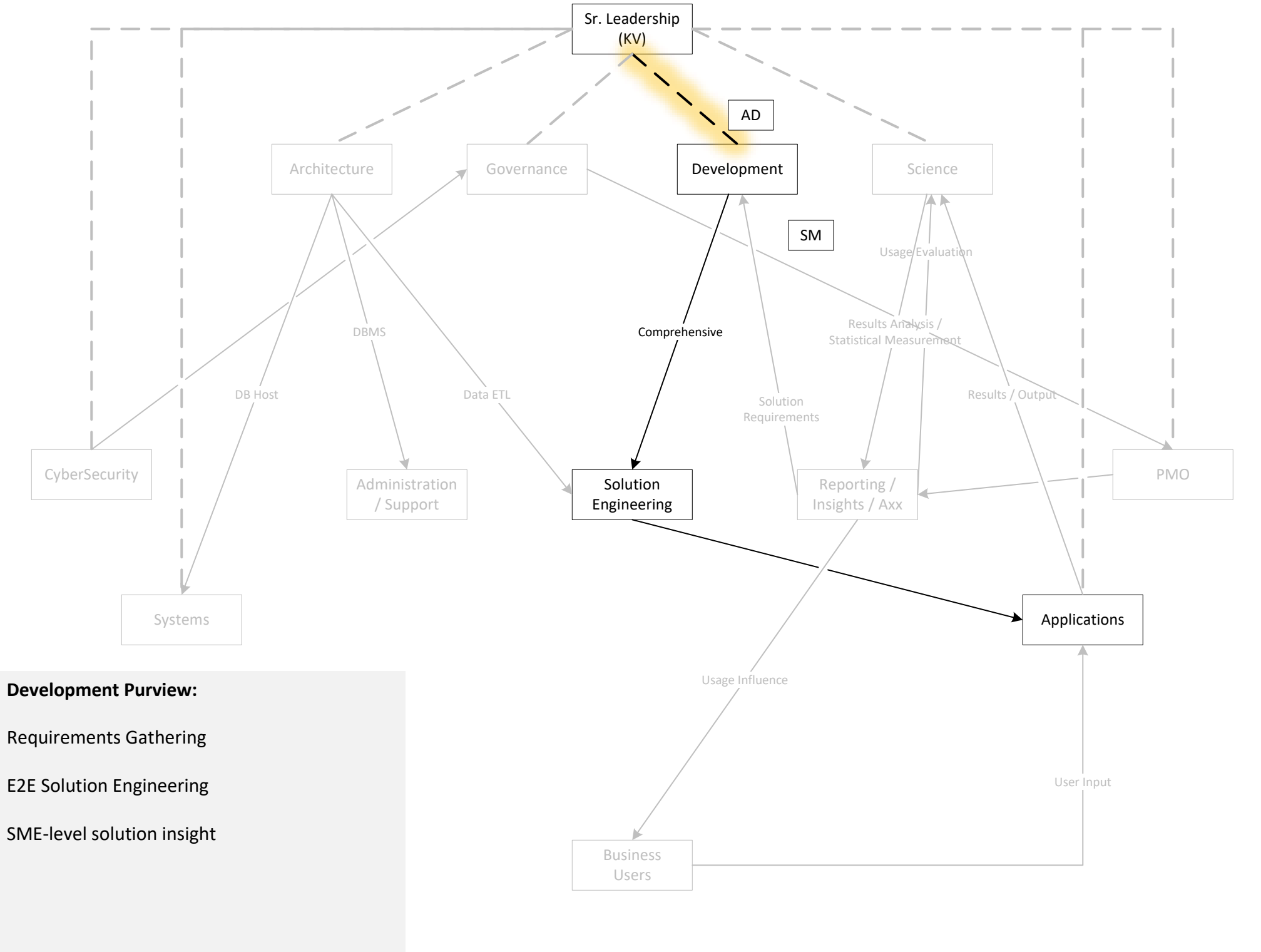
This diagram presents a focus on the responsibilities that typically fall within the purview of the **Database Architecture / Administration** function.

- The DBA shares responsibility with the Systems Administration team with respect to the (virtual) Host Layer of a solution.
- The DBA is solely responsible for the Administration and Support of the DBMS that supports a solution.
- The DBA shares responsibility for the ETL portion of a solution with the Development team.



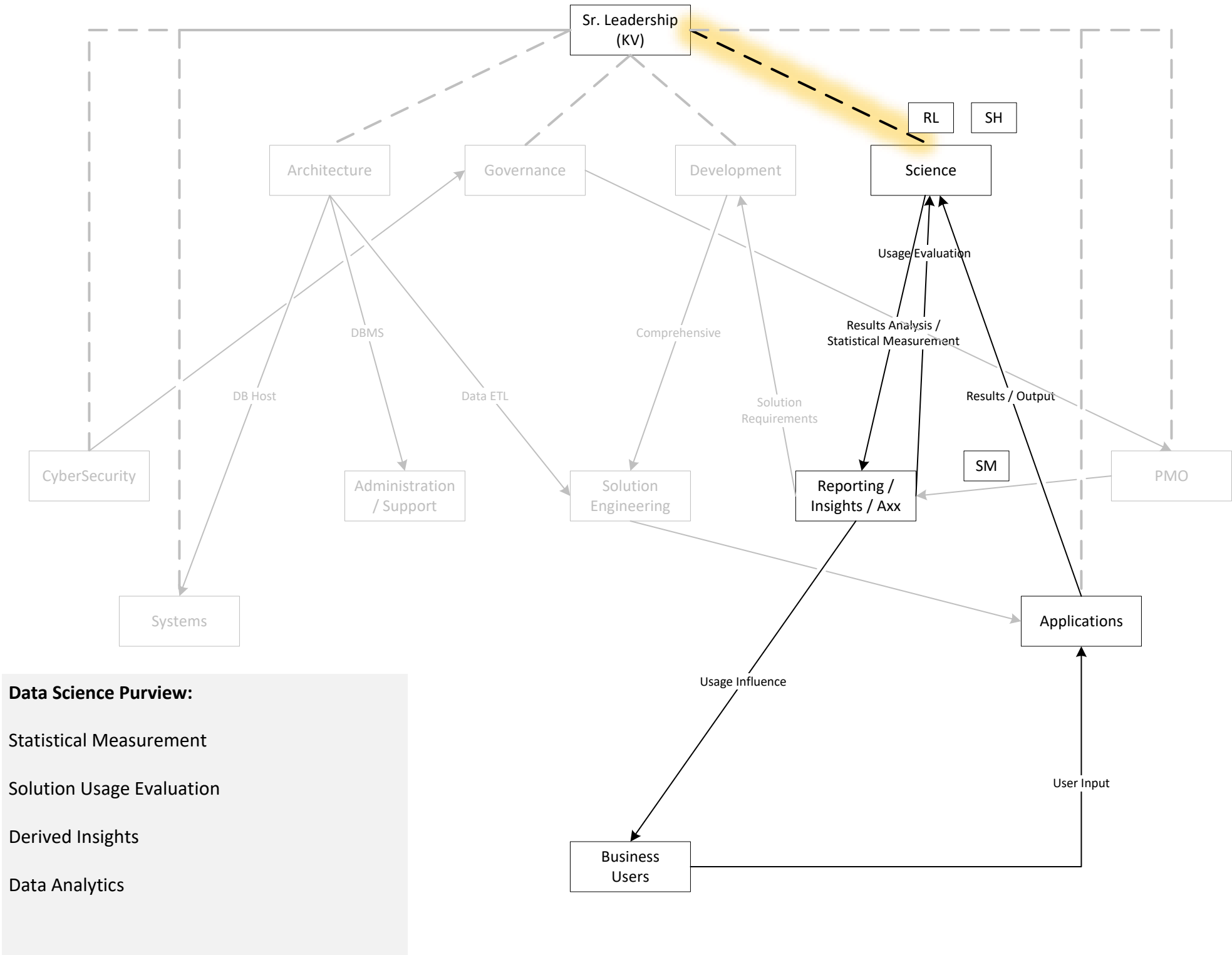
This diagram presents a focus on the responsibilities that typically fall within the purview of the **Data Governance** function.

- The Data Governance function shares responsibility with CyberSecurity team with respect to the definition of Policies and Procedures that govern the Data Layer of a solution
- The Data Governance function shares responsibility with the PMO function to determine quality aspect of the data within a solution.
- The Data Governance function shares responsibility with CyberSecurity to develop a framework that reports on the security attributes of a solution
- The Data Governance function collaborates with the PMO function to provide business-level insight into the technical attributes of a data driven solution.



This diagram presents a focus on the responsibilities that typically fall within the purview of the **Development** function.

- The Development function is responsible for the gathering the technical requirements necessary to develop a solution that serves a defined business need.
- The Development function is responsible for the end-to-end engineering of the technical attributes of a solution
- The Development function is responsible for providing subject matter expertise about the solutions they engineer

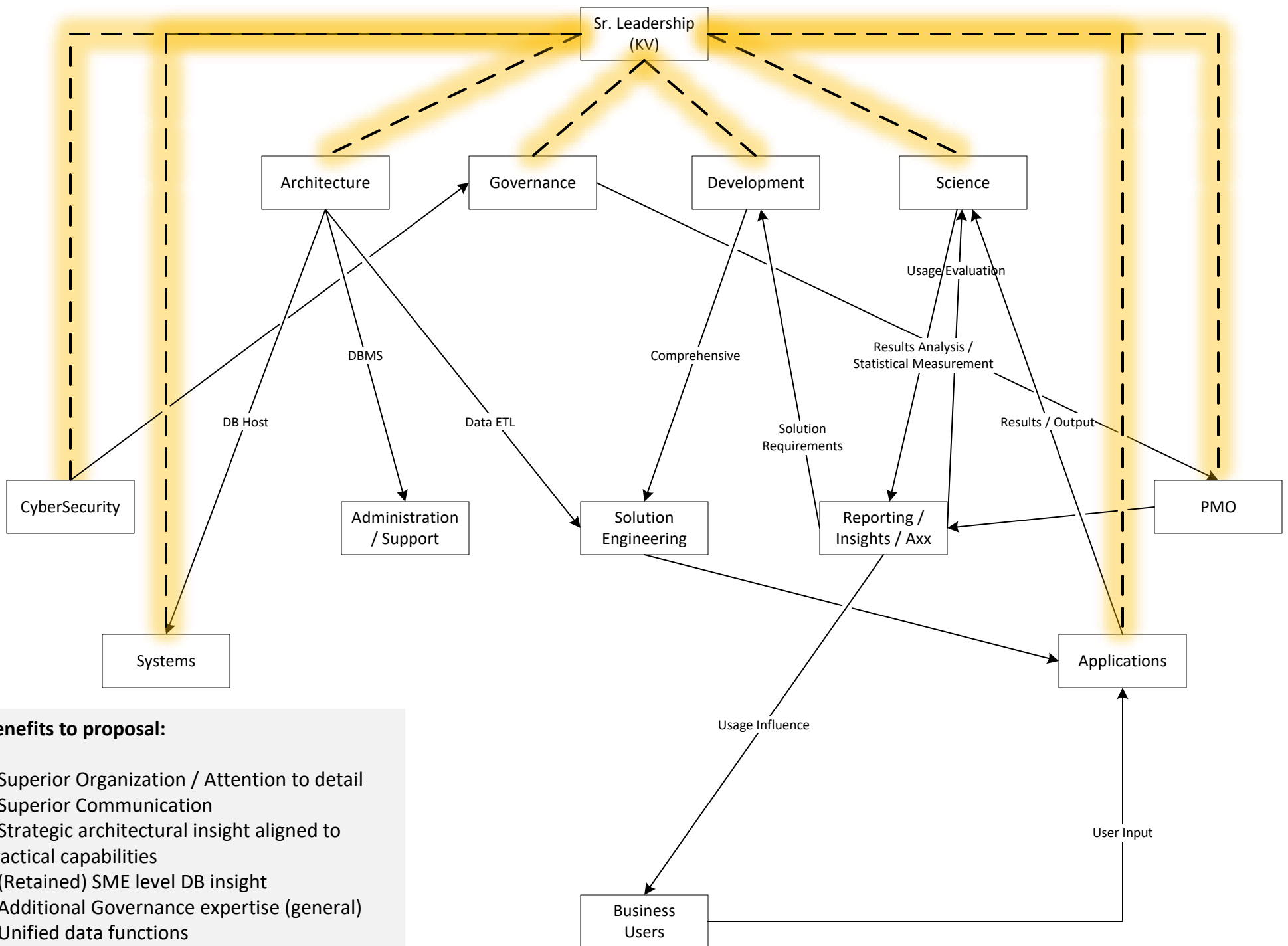


This diagram presents a focus on the responsibilities that typically fall within the purview of the **Data Science** function.

- The Data Science function is responsible for measuring the results of a solution
- The Data Science function evaluating the usage of various data points within a solution
- The Data Science function is responsible for deriving insights from the data generated by a solution
- The Data Science function is responsible for analyzing the data generated by a solution

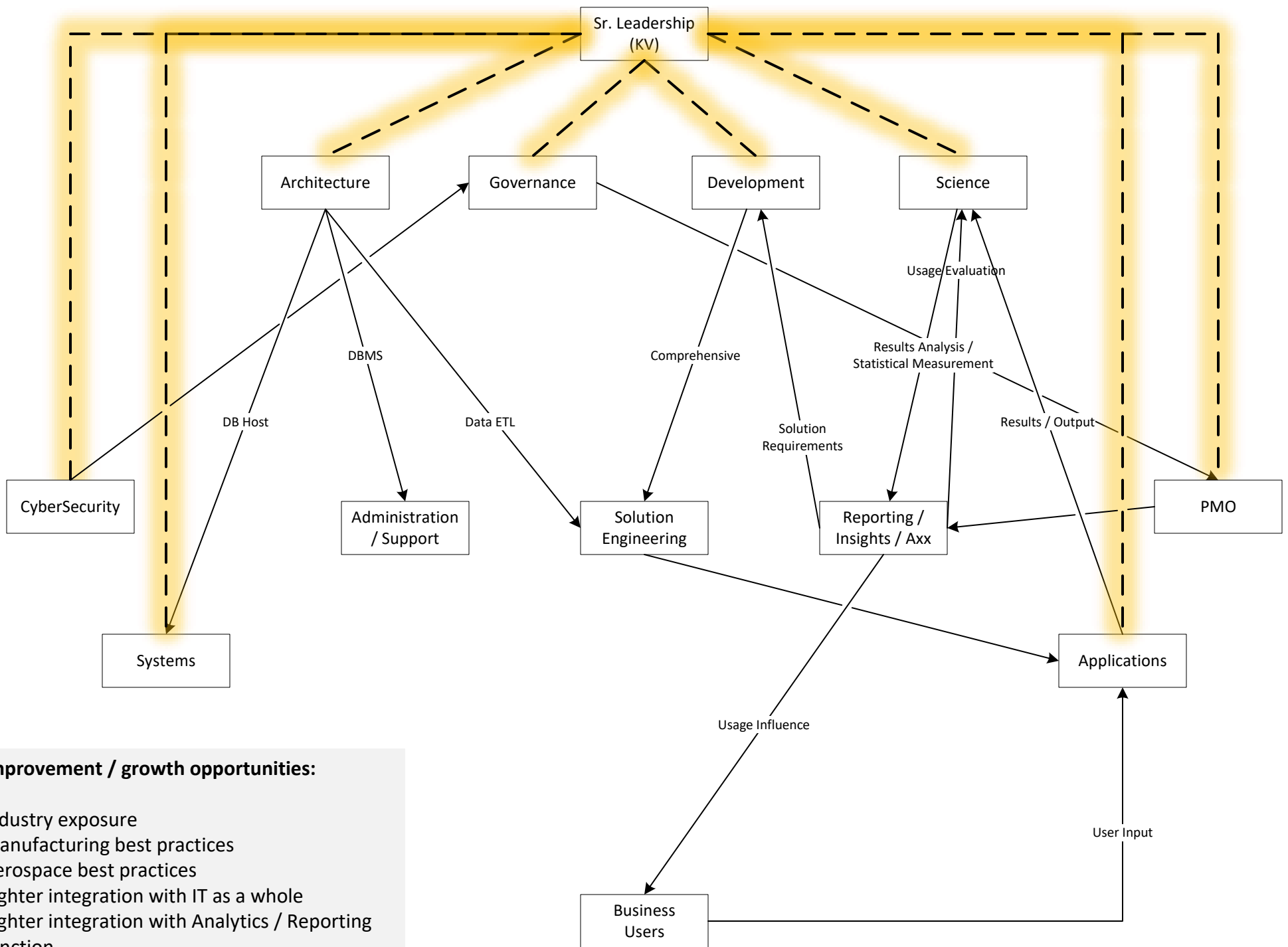
Scenario:

1. A business user uses an application to generate data within a solution.
 2. A result set is provided to the data scientist
 3. Statistical measurement / analysis is performed against the result set
 4. Reports determine the type of usage illustrated by the result set
 5. The analyses are used to influence business users to use (or not use) the application
- Repeat



Benefits to proposal:

- + Superior Organization / Attention to detail
- + Superior Communication
- + Strategic architectural insight aligned to practical capabilities
- + (Retained) SME level DB insight
- + Additional Governance expertise (general)
- + Unified data functions
- + Clarified roles / responsibilities



Improvement / growth opportunities:

- Industry exposure
- Manufacturing best practices
- Aerospace best practices
- Tighter integration with IT as a whole
- Tighter integration with Analytics / Reporting function