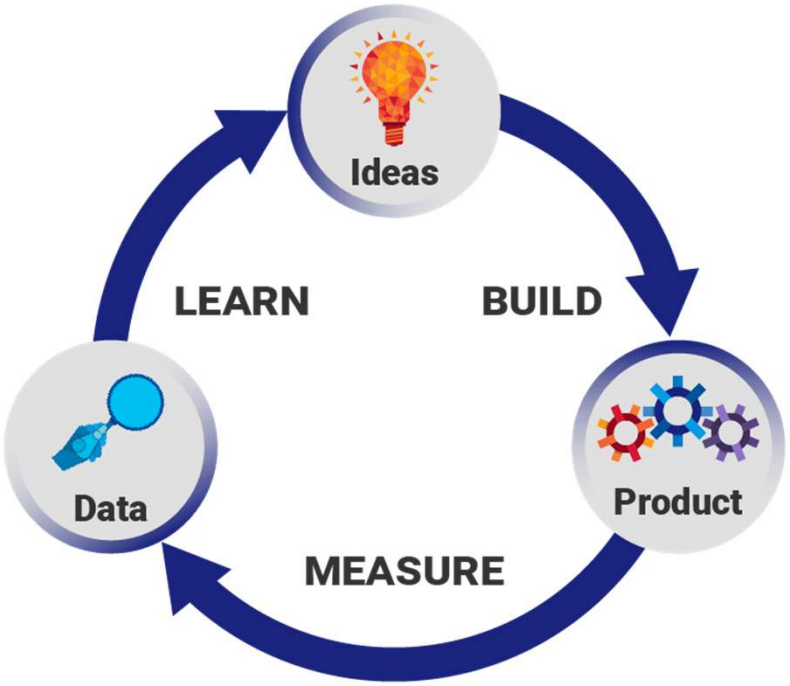
# Mastering: Visualize and Explore

**Greg Flexman**
**Yasmine Hajar**

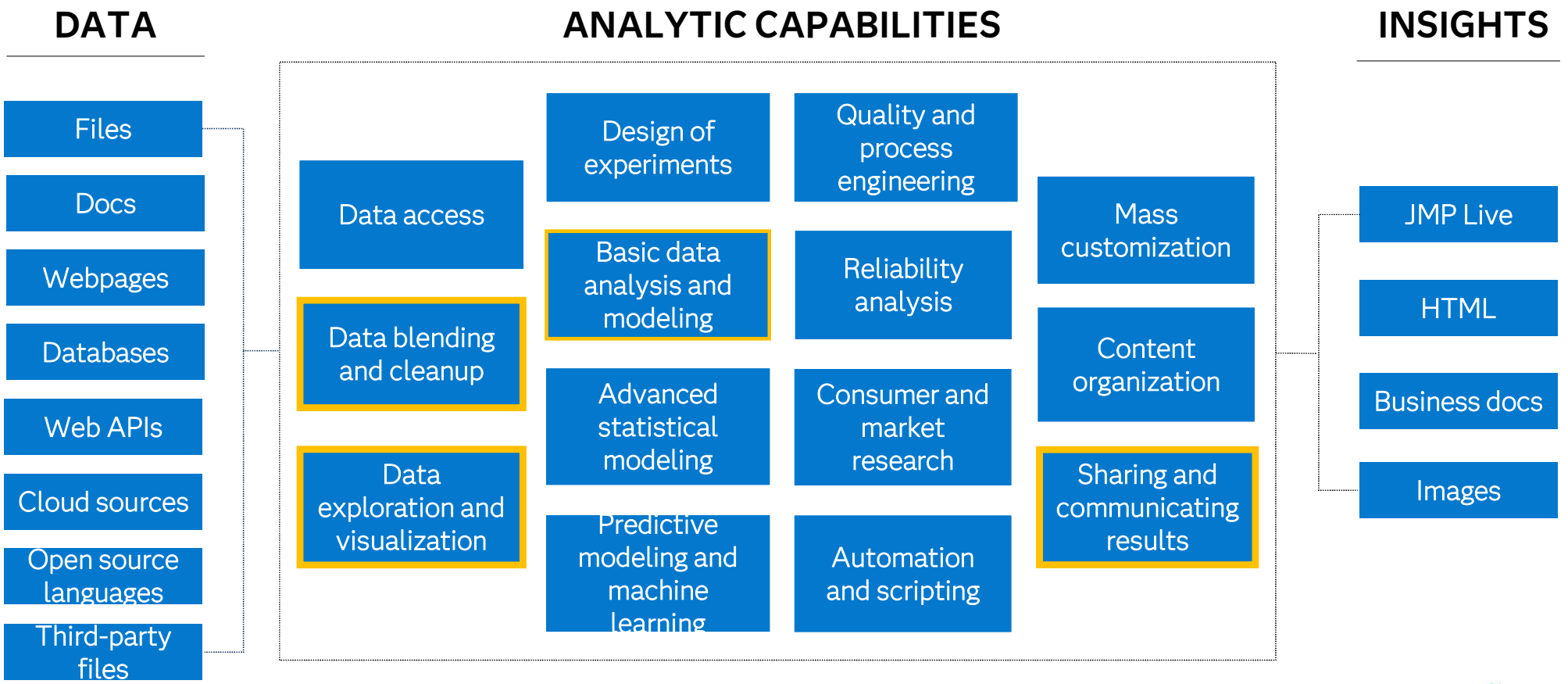
Copyright © JMP Statistical Discovery LLC. All rights reserved.

# Cycles of process understanding
## Build-Measure-Learn

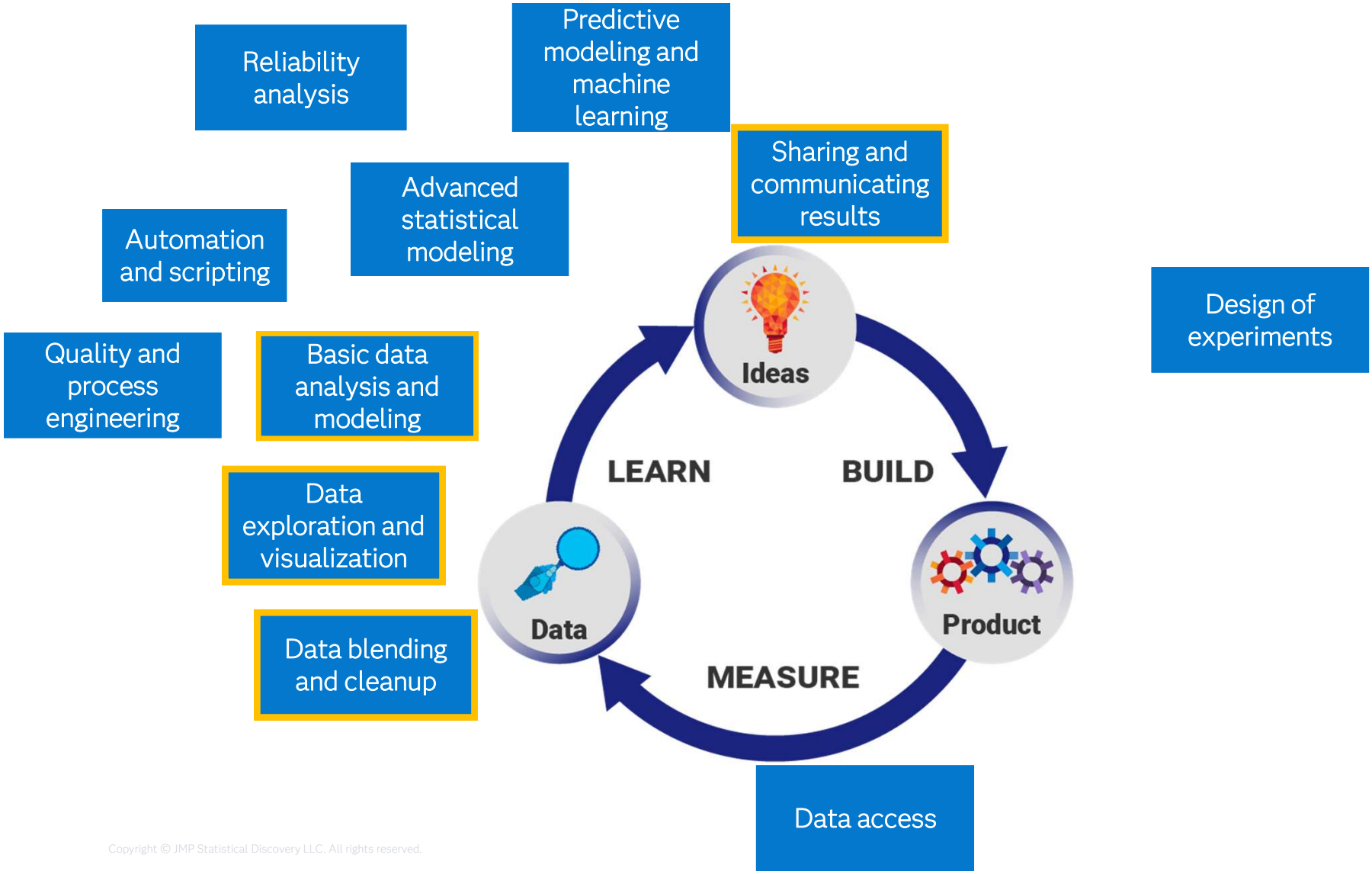



Copyright © JMP Statistical Discovery LLC. All rights reserved.

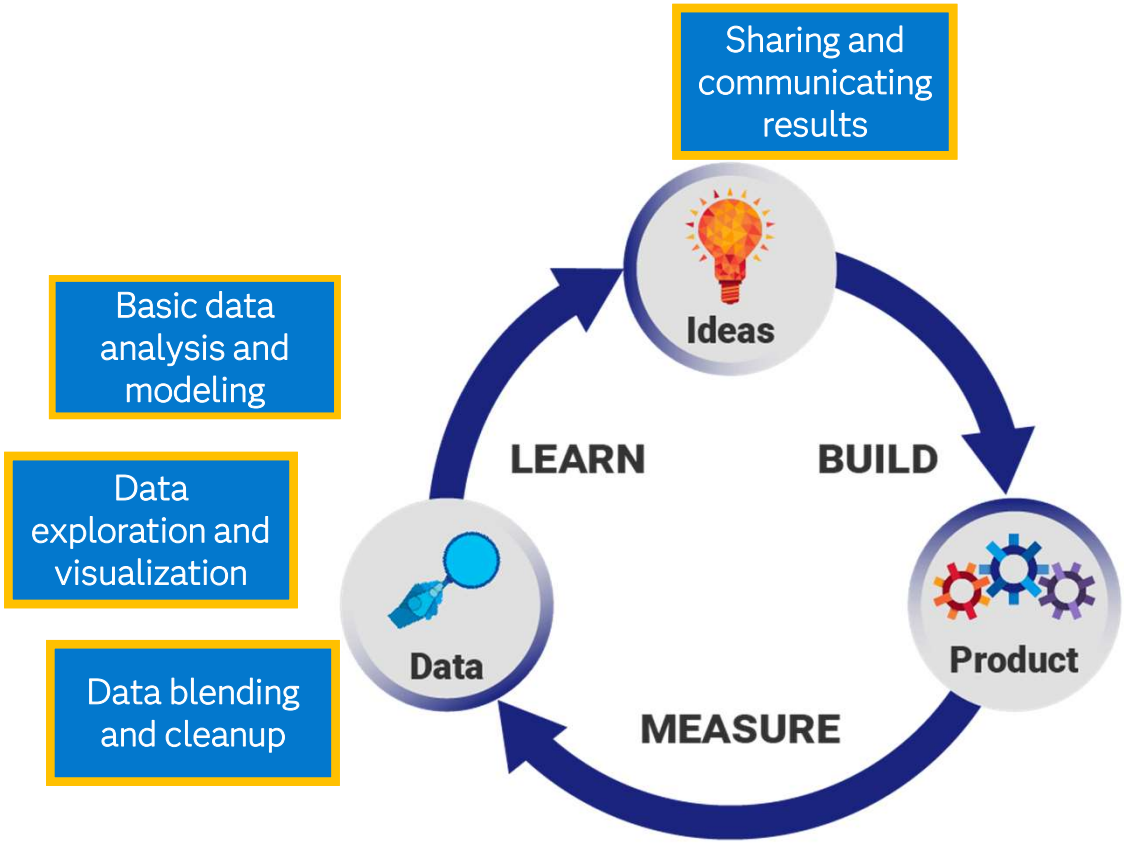
# JMP® Analytic Workflow



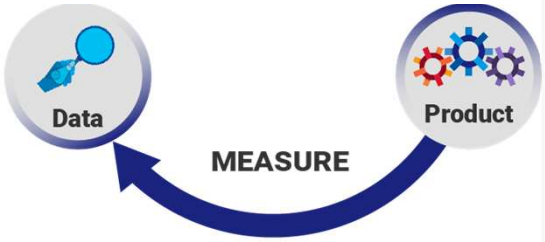

Copyright © JMP Statistical Discovery LLC. All rights reserved.




Copyright © JMP Statistical Discovery LLC. All rights reserved.




Copyright © JMP Statistical Discovery LLC. All rights reserved.




# Tablet Manufacturing Process

API Lot
*Active Pharmaceutical Ingredient*

- Suppl. Mg St
- Suppl. Lactose
- Suppl. Sugar
- Suppl. Talc

Coating Supplier
Coating Viscosity

Size → Mill → (Part. size) → Blend → (Blend unif.) → Compress → (Hardness, Friability) → Coat

Mill Time
Screen Size

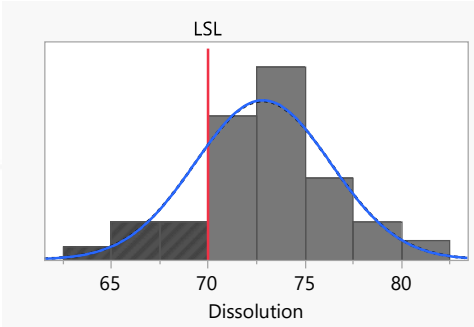
Blend Time
Blend Speed

Compressor Force

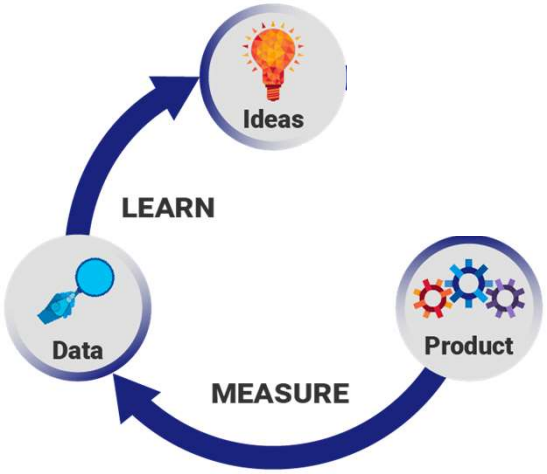
Inlet Temp
Exhaust Temp
Spray Rate
Atom. Pressure

Critical Output:
Dissolution

(Coat Uniformity, others)

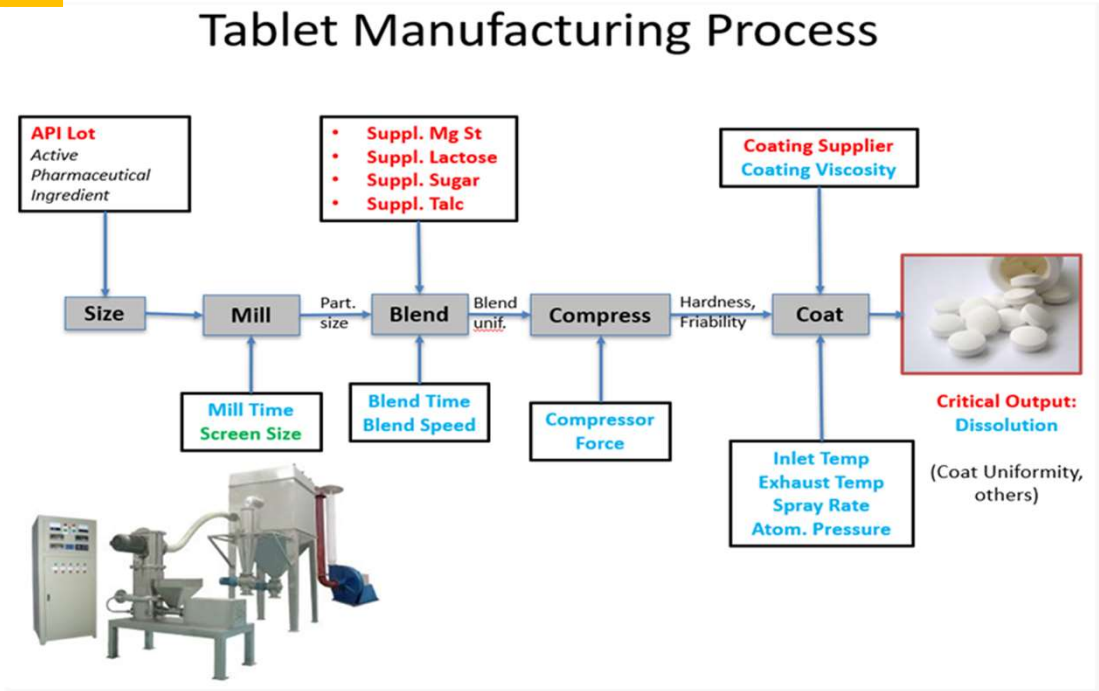



Copyright © JMP Statistical Discovery LLC. All rights reserved.

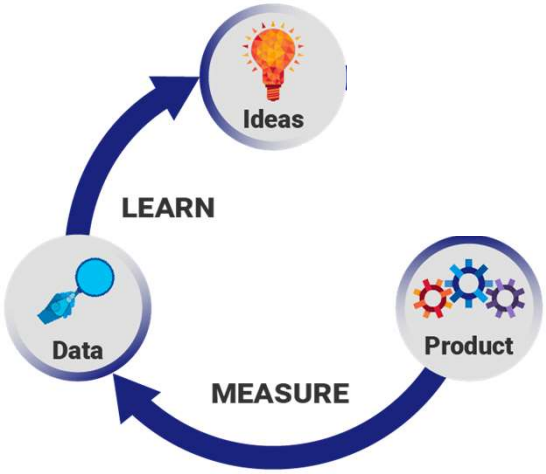



Data blending and cleanup

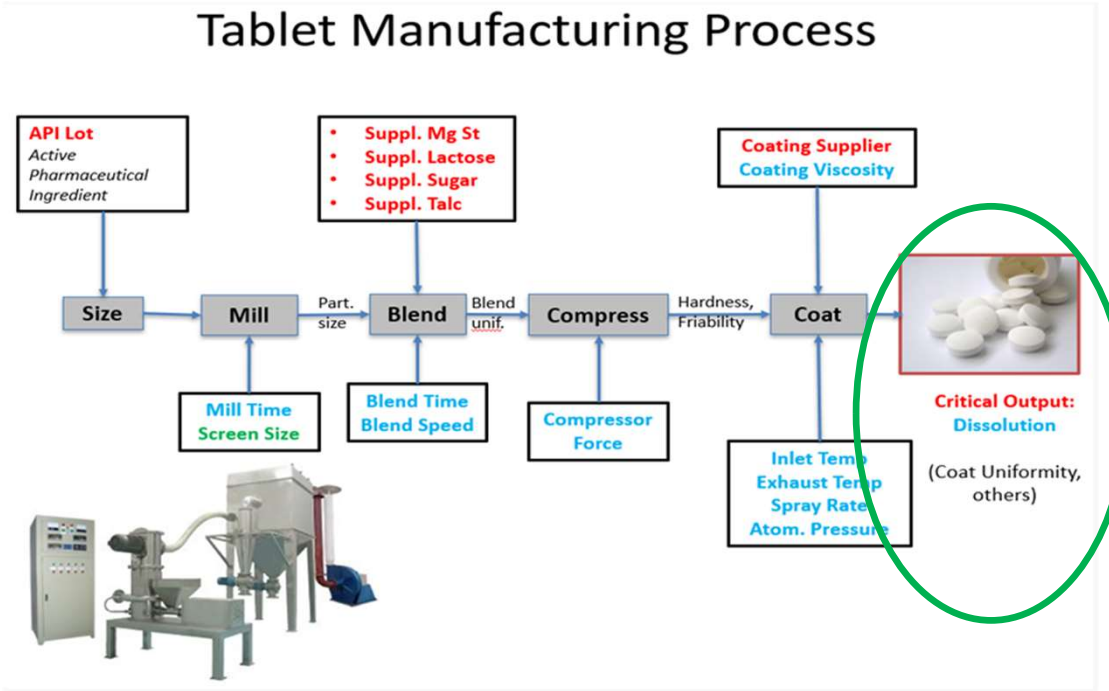
Data exploration and visualization




Copyright © JMP Statistical Discovery LLC. All rights reserved.



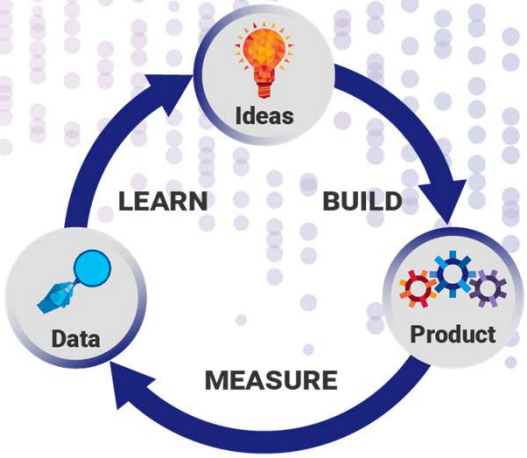

Sharing and communicating results




Copyright © JMP Statistical Discovery LLC. All rights reserved.

# JMP: Interactively Explore, Understand

Enables rapid progress to learn from data-generate and communicate learning




jmp STATISTICAL DISCOVERY

Copyright © JMP Statistical Discovery LLC. All rights reserved.

Copyright © JMP Statistical Discovery LLC. All rights reserved.