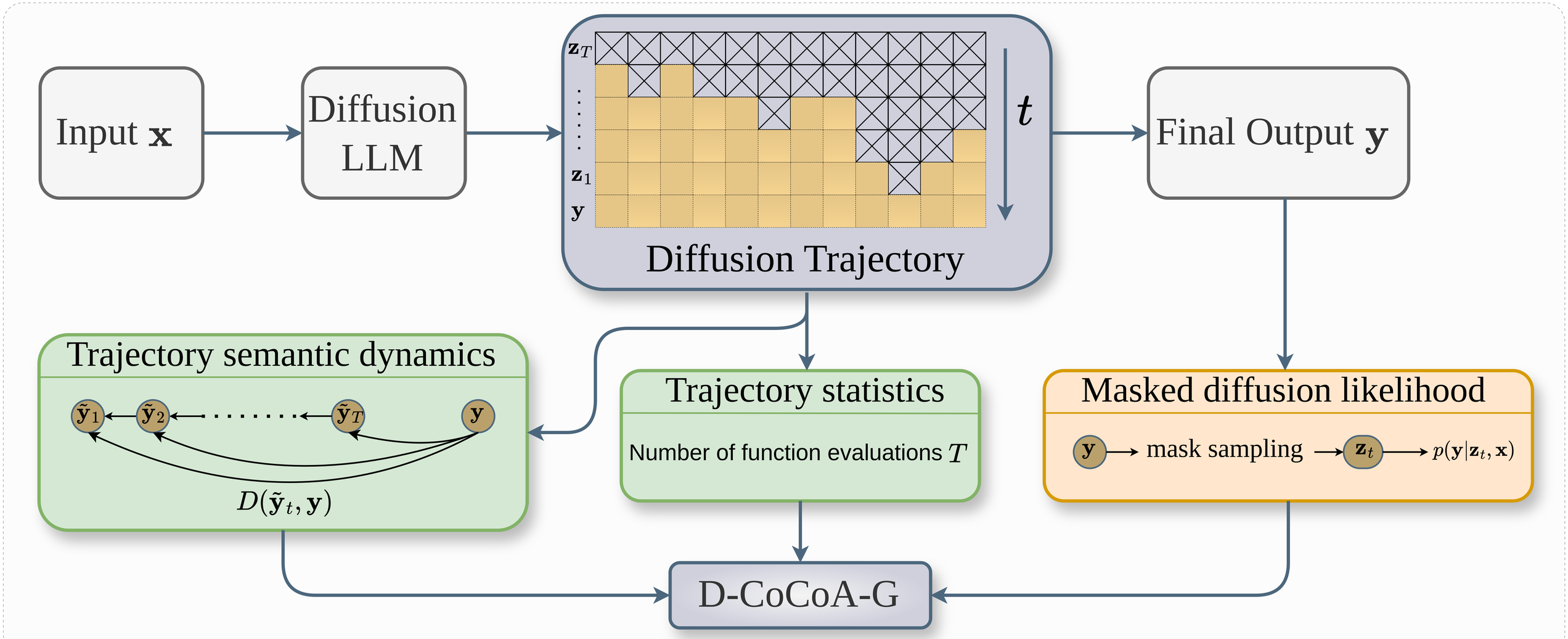

Input $\mathbf{x}$
Diffusion LLM
$\mathbf{z}_T$
$\mathbf{z}_1$
$\mathbf{y}$
t
Diffusion Trajectory
Final Output $\mathbf{y}$
Trajectory semantic dynamics
$\tilde{\mathbf{y}}_1$
$\tilde{\mathbf{y}}_2$
$\tilde{\mathbf{y}}_T$
$\mathbf{y}$
$D(\tilde{\mathbf{y}}_t, \mathbf{y})$
Trajectory statistics
Number of function evaluations T
Masked diffusion likelihood
$\mathbf{y}$
mask sampling
$\mathbf{z}_t$
$p(\mathbf{y}|\mathbf{z}_t, \mathbf{x})$
D-CoCoA-G