$u(t, x)$

× Data (63 points)

$t = 0.25$ $t = 0.50$ $t = 0.75$

—— Exact   - - - Prediction

Correct PDE	$u_t + uu_x - 0.0031831u_{xx} = 0$
Identified PDE (clean data)	$u_t + 0.99780uu_x - 0.0036946u_{xx} = 0$
Identified PDE (1% noise)	$u_t + 1.00014uu_x - 0.0043659u_{xx} = 0$