Last Time

□ practical UQ methods

a conformal prediction

lecture 11

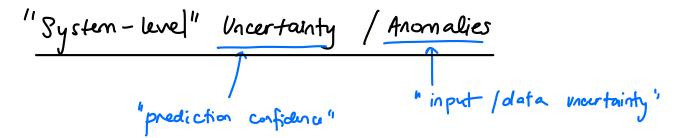
EAIS 525

ANDREA BAJCSY

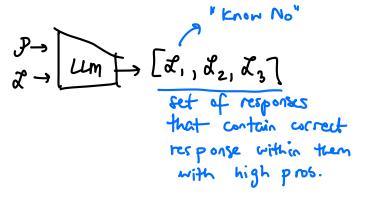
This Time:

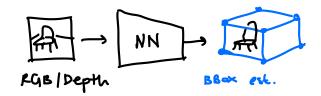
1 "System-Level" UQ / anomalies

Announcement: HW #3 due April 2nd



So far, me have been talking about <u>SINGLE</u> data-driven components of an autonomy "stack" and how to model their uncertainty

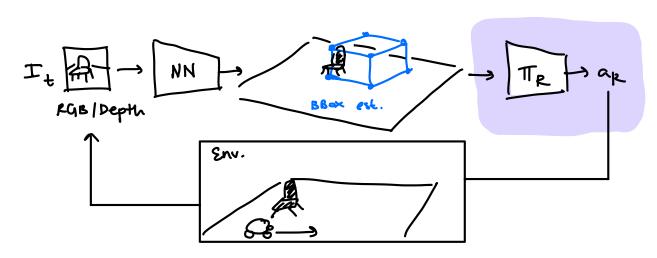




x_{t:T} \p(\x_{t:T} \x_{o:t})

x_{o:t}

But, all these models 'live' within the broader robotics pipeline is to gether influence the robot's next decision is thus long-term outcomes.



System-level uncertainty

- 1) consider the impact of the uncertainty (or anomalous data) of the downstream dicision-making
- 2) use components throughout the autonomy stack to mitigate regative consequences.