

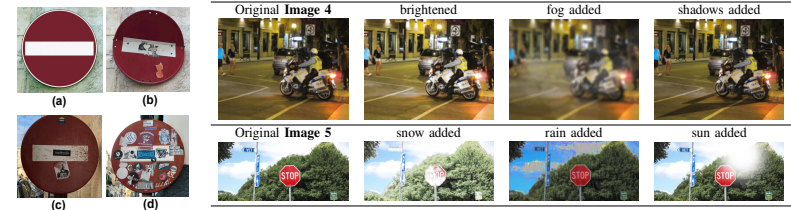
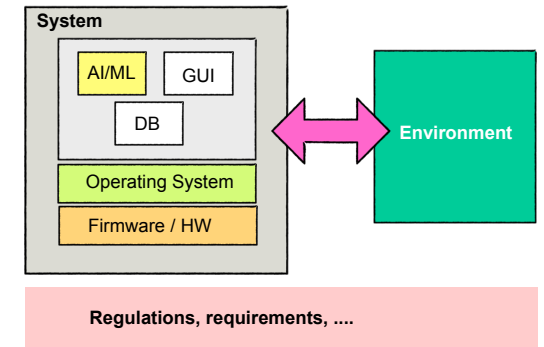
On the Use of Available Testing Methods for Verification & Validation of AI-based Software and Systems

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- V&V of systems comprising AI technology seems not to be that easy
 - Huge software stack involved
 - Machine Learning applications
- Have to consider in addition:
 - Faults due to untested interactions among system components
 - Missing testing guarantees
 - Not considering "all" critical inputs and scenarios



Focus on discussing questions

- What are existing automated testing techniques that can be used in the context of (autonomous) AI-based systems?



- What are (other) shortcomings we have to deal with?
- How to assure that a used test suite is good enough?
 - Can we use coverage or mutation score?
- How can we prevent faults leading to a disaster?

