**Reading Paper:**

1. A Survey of Safety and Trustworthiness of Deep Neural Networks: Verification, Testing, Adversarial Attack and Defence, and Interpretability
2. Automated Test Generation to Detect Individual Discrimination in AI Models
3. DeepTest: Automated Testing of Deep-Neural-Network-driven Autonomous Cars
4. DeepXplore: Automated Whitebox Testing of Deep Learning Systems
5. Testing Deep Neural Networks
6. Symbolic Execution for Deep Neural Networks

**Research Questions:**

1. How do we systematically explore the input-output spaces of DNN?
2. How can we synthesize realistic inputs to automate such exploration?
3. How can we optimize the exploration process?
4. How do we automatically create a test oracle that can detect erroneous behaviors without detailed manual specifications?