

# Presentation #1

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# Data Progress

- **Data**
  - 352 Collected over the past 10 days
    - 14 Cities
      - Taipei, Brisbane, Bristol, Brussels, Bucharest, Busan, Calgary, Chandigarh, Chennai, Colombo, Dallas, Chicago, Damascus, Detroit, Dhaka
    - Collected 175 Ground Videos (132 total)
    - Collected 177 Aerial Videos (129 total)
  - **390 Total Collected**

# Paper

- BDD100K
  - Contains 100k videos with high resolution and diverse scenes, etc.
  - 10 tasks
    - Image Tagging
    - Lane Detection
    - Drivable Area Segmentation
    - Road Object Detection
    - Semantic Segmentation
    - Instance Segmentation
    - Multi-Object Detection Tracking
    - Multi-Object Segmentation Tracking
    - Domain Adaptation
    - Imitation Learning

# Paper (Continued)

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- Visual Datasets
  - Recognition; High-Level Image Representations; Object Localization, Segmentation
  - Annotated Videos
- Driving Datasets
  - Focus: Objects that may impede with driving
  - Diversification of data
- Multitask Learning & Transfer Learning
  - Task learning from other tasks/jointly
- Object Detection
  - Identify objects in an image/video
  - Annotations
- Semantic Segmentation
  - Classifying each pixel in a label