

A list of datasets on ad-datasets

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Abstract—This is a list of datasets from the domain of autonomous driving which can be found online at <https://ad-datasets.com>. There, most datasets are enriched with additional metadata to enable filtering, search etc. This also includes additional information such as download links. If you find a dataset with missing metadata, feel free to submit a pull request.

The Semantic Scholar API was used to retrieve all necessary information for the citations. Thus, errors are possible, and some datasets do not have a proper citation.

This list was last updated on 16 June 2023.

I. DATASETS

List of 256 datasets from the domain of autonomous driving:

- KITTI [1]
- OpenLane-V2 [2]
- UrbanLaneGraph [3]
- PeSOTIF [4]
- IMPTC [?]
- LUCOOP [?]
- DSIOD [5]
- Zenseact Open [6]
- UPCT [?]
- Indian Vehicle Dataset [?]
- V2V4Real [7]
- Surat Trajectory Data [?]
- 3DHD CityScenes [?]
- LiDAR-CS [8]
- UofTPed50 [9]
- Apollo-SouthBay [?]
- Apollo-DaoxiangLake [10]
- Fallen Person detection with Driving scenes (FPD-set) [?]
- Car Crash (CCD) [11]
- Multiple Uncertainties for Autonomous Driving (MUAD) [12]
- Pascal-WD [13]
- Vistas-NP [14]
- PP4AV [?]
- aiMotive [15]
- DANGER-vKITTI2 [?]
- DANGER-vKITTI [?]
- I see you [16]
- nuScenes [17]
- Oxford Robot Car [18]
- Waymo Open Perception [19]
- Argoverse Motion Forecasting [20]
- Argoverse 3D Tracking [21]
- Semantic KITTI [22]
- ApolloScape [23]
- BDD100k [24]
- WildDash [25]
- WildDash 2 [26]
- Lyft Level5 Prediction [27]
- Cityscapes 3D [28]
- Lyft Level5 Perception [29]
- nuImages [30]
- PandaSet [31]
- Waymo Open Motion [32]
- openDD [33]
- RoadAnomaly21 [34]
- Comma2k19 [35]
- Comma2k19 LD [36]
- KITTI-360 [37]
- Fishyscapes [38]
- LostAndFound [39]
- KAIST Multi-Spectral Day/Night [40]
- A2D2 [41]
- Caltech Pedestrian [42]
- Udacity [43]
- Ford Autonomous Vehicle [44]
- INTERACTION [45]
- MCity Data Collection [46]
- Oxford Radar Robot Car [47]
- NightOwls [48]
- H3D [49]
- 4Seasons [50]
- RadarScenes [51]
- India Driving [52]
- Synscapes [53]
- RADIATE [54]
- Bosch Small Traffic Lights Dataset [55]
- PepScenes [56]
- WZ-traffic [57]
- Nighttime Driving [58]
- Cooperative Driving (CODD) [59]
- AIODrive [60]
- ROAD [61]
- ONCE [62]
- DriveU Traffic Light [63]
- Bosch TL [64]
- nuPlan [65]
- JAAD [66]
- RoadObstacle21 [67]
- BoxCars116k [68]
- Beyond PASCAL [69]
- EuroCity Persons [70]
- CADC [71]
- CARRADA [72]
- Astyx [73]
- TJ4DRadSet [74]

- PointCloudDeNoising [75]
- Talk2Car [76]
- A Parametric Top-View Representation of Complex Road Scenes [77]
- DRIV100 [78]
- Cars [79]
- CADP [80]
- NoCrash [81]
- VITRO [?]
- UDrive [?]
- D-2 City [82]
- MIT-AVT Clustered Driving Scene [83]
- SceNDD [84]
- DDAD [85]
- RELIS-3D [86]
- PolySync [?]
- DriveSeg (MANUAL) [87]
- DriveSeg (Semi-auto) [88]
- KUL Belgium Traffic Sign [89]
- GLARE [90]
- Brain4Cars [91]
- Seasonal Variation [92]
- Bay Area [93]
- Illumination Changes in a day [94]
- comma10k [95]
- comma.ai [96]
- CULane [97]
- DDD20: DAVIS Driving 2020 [98]
- DBNet [99]
- DIPLECS Autonomous Driving [100]
- DR(eye)VE [101]
- SemanticPOSS [102]
- SemanticUSL [103]
- ELEKTRA [?]
- GTSRB [104]
- GTSDB [105]
- HCI Challenging Stereo [106]
- HD1K [107]
- LUMPI [108]
- Highway Work Zones [?]
- Amodal Cityscapes [109]
- LISA Traffic Sign [110]
- LISA Traffic Light [111]
- Malaga Stereo and Laser Urban [112]
- KITTI-360 PanopticBEV [113]
- nuScenes PanopticBEV [114]
- Waymo Block-NeRF [115]
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- NEXET [119]
- Road Damage [120]
- RDD2020 [121]
- GTA5 [122]
- Ground Truth Stixel [123]
- Boxy [124]
- CarlaScenes [125]
- K-Lane [126]
- Ithaca365 [127]
- TME Motorway [128]
- TuSimple [?]
- ScribbleKITTI [129]
- UAH-DriveSet [130]
- Unsupervised Llamas [131]
- Street Hazards [132]
- Astyx HiRes 2019 [?]
- A*3D [133]
- CamVid [134]
- Daimler Urban Segmentation [?]
- VPGNet [135]
- Toronto 3D [136]
- Toronto City [137]
- CrashD [138]
- SHIFT [139]
- Synthia [140]
- RANUS [141]
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- LIBRE [143]
- PREVENTION [144]
- Stanford Track Collection [145]
- LiDAR-Video Driving [146]
- WoodScape [147]
- Raincouver [148]
- TRoM [149]
- Caltech Lanes [150]
- Complex Urban [151]
- CCSAD [152]
- Provident Vehicle Detection at Night (PVDN) [153]
- Street Learn [154]
- Multi Vehicle Stereo Event Camera [155]
- AMUSE [156]
- Cheddar Gorge [?]
- Annotated Laser [?]
- DDD 17 [?]
- BLVD [157]
- FLIR Thermal [158]
- Multispectral Object Detection [?]
- CityPersons [?]
- Tsinghua Daimler Cyclist Detection [159]
- TUD Brussels [160]
- ETH Pedestrian [161]
- RoadSaW [162]
- VLMV - Vehicle Lane Merge Visual Benchmark [163]
- Daimler Pedestrian Segmentation Benchmark [164]
- Daimler Pedestrian Path Prediction Benchmark [165]
- Daimler Stereo Pedestrian Detection Benchmark [166]
- Small Obstacle [167]
- GROUNDED [168]
- highD [169]
- inD [170]
- TTI Core [?]
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- exiD [172]
- Stanford Drone [173]
- Five Roundabouts [174]
- Automatum (Open Highway) [175]
- TAF-BW [176]
- K-Radar [177]
- Road Scene Graph [?]
- R3 Driving [178]
- EISATS [?]
- Ford CAMPUS [179]
- NCLT [180]
- Argoverse 1 Stereo [181]
- uniD [?]
- USyd Campus [182]
- SemKITTI-DVPS [183]
- Cityscapes-DVPS [184]
- IDDA [185]
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- MOTSynth [187]
- Argoverse 2 Sensor [188]
- Argoverse 2 Motion Forecasting [189]
- Argoverse 2 Lidar [190]
- Argoverse 2 Map Change [191]
- CODA [192]
- CODA2022 [?]
- Synthetic Discrepancy [193]
- SODA10M [194]
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- Rope3D [197]
- AugKITTI [198]
- MAVD Multimodal Audio-Visual Detection [199]
- KITTI-360-APS [200]
- BDD100K-APS [201]
- Boreas [202]
- DGL-MOTS [203]
- OpenMPD [204]
- IPS300+ [205]
- LISA Amazon-MLSL Vehicle Attributes (LAVA) [206]
- MONA: The Munich Motion Dataset of Natural Driving [207]
- Street Obstacle Sequences (SOS) [208]
- Wuppertal Obstacle Sequences (WOS) [209]
- CARLA-WildLife (CWL) [210]
- R-U-MAAD [211]
- Autonomous Platform Inertial [212]
- PIE [213]
- HAD [214]
- HDBD [215]
- HDD [216]
- HEV-I [217]
- HSD [218]
- LOKI [219]
- TITAN [220]
- EPOSH [221]
- SeeingThroughFog [222]

- Gated2Gated [223]
- Gated2Depth [224]
- RUGD: Robot Unstructured Ground Driving [225]
- CURE-TSR [226]
- CURE-TSD [227]

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