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Field Name	Description of the field	Data type
paper_title	Title of the research paper	text
paper_authors_names	names of the paper authors	text
first_author_country	country of affiliation of the first author based on afiliation details in the paper	text
date_acceptance_publication	date of acceptance of the paper,if it is unavailable then date of publication in YYYY-MM-DD format	timestamp
journal_published	name of the journal where the paper was published	text
journal_publisher_name	name of the journal where the paper was published	text
issn_journal	unique ISSN of the journal	text
doi_link	web link of the unique doi of the research paper	text
number_of_citations	number of citations the research paper received as displayed on the publisher's article webpage	int
number_of_references	number of references in the research paper	int
number_of_papers_reviewed	number of papers reviewed by the research paper for survey	int
clearly_state_number_of_surveyed_papers	whether the survey research paper clearly states the number of surveyed papers?True or False response	boolean
explicit_delineation_survey_vs_auxref	whether the survey research paper explicitly delineates the surveyed papers from the auxiallary references, by listing them in a separate list or supplementary documents? True or False response	boolean
prisma_compliant_paper_selection_workflow	whether the survey research paper follow PRISMA compliant paper selection workflow ? True or False response	boolean
structured_metanalysis_dataset_available	whether the survey research paper make available a structured meta-analysis dataset for reproducibility tests ? True or False response	boolean
research_questions	whether the research paper hasclearly defined research question .True or False response	boolean
time_period_covered	whether the research paper has clearly defined the time period over which the survey was carried out .True or False response	boolean
databases_searched	whether the research paper has clearly mentioned the names of the databases surveyed. .True or False response	boolean
inclusion_exclusion_criteria	whether the research paper has clearly defined the criteria they used for including or excluding a research paper from the survey .True or False response	boolean
optical_rgb_truecolor	whether the paper discussed about RGB Truecolor optical imagery . True or False response	boolean

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optical_panchromatic	whether the paper discussed about panchromatic optical imagery .True or False response	boolean
optical_multispectral	whether the paper discussed about multi-spectral optical imagery .True or False response	boolean
optical_hyperspectral	whether the paper discussed about hyperspectral optical imagery .True or False response	boolean
non_optical_synthetic_aperture_radar	whether the paper discussed about SAR imagery .True or False response	boolean
non_optical_lidar	whether the paper discussed about LIDAR imagery .True or False response	boolean
non_optical_ thermal	whether the paper discussed about thermal imagery .True or False response	boolean
non_optical_microwave	whether the paper discussed about microwave imagery .True or False response	boolean
data_source_properties_spatial_resolution	whether the paper discussed about spatial resolution properties of the data source .True or False response	boolean
data_source_properties_ temporal_resolution	whether the paper discussed about temporal resolution properties of the data source .True or False response	boolean
data_source_properties_spectral_resolution	whether the paper discussed about spectral resolution properties of the data source .True or False response	boolean
cv_task_object_detection	whether the paper discussed about computer vision task of object detection .True or False response	boolean
cv_task_super_resolution	whether the paper discussed about computer vision task of super resolution .True or False response	boolean
cv_task_semantic_segmentation	whether the paper discussed about computer vision task of semantic segmentation .True or False response	boolean
cv_task_instance_segmentation	whether the paper discussed about computer vision task of instance segmentation .True or False response	boolean
cv_task_change_detection	whether the paper discussed about computer vision task of change detection .True or False response	boolean
cv_task_scene_classification	whether the paper discussed about computer vision task of scene classification .True or False response	boolean
deeplearning_cnn	whether the paper discussed about deeplearning using CNNs .True or False response	boolean

Field Name	Description of the field	Data type
deeplearning_rnn_lstm	whether the paper discussed about deeplearning using RNN/LSTMs . True or False response	boolean
deeplearning_transformers	whether the paper discussed about deeplearning using Transformers . True or False response	boolean
deeplearning_gan	whether the paper discussed about deeplearning using GANs .True or False response	boolean
deeplearning_autoencoders	whether the paper discussed about deeplearning using Autoencoders . True or False response	boolean
deeplearning_unet	whether the paper discussed about deeplearning using U-Nets .True or False response	boolean
deeplearning_yolo	whether the paper discussed about deeplearning using YOLO networks .True or False response	boolean
deeplearning_resnet	whether the paper discussed about deeplearning using ResNets .True or False response	boolean
deeplearning_vision_transformer	whether the paper discussed about deeplearning using VisionTransformers .True or False response	boolean
application_agriforest_crop_classification	whether the paper discussed crop-classification as an application using DL in RS/GIS .True or False response	boolean
application_agriforest_crop_yield_prediction	whether the paper discussed crop-yield prediction as an application using DL in RS/GIS .True or False response	boolean
application_agriforest_forest_cover_mapping	whether the paper discussed forest cover mapping as an application using DL in RS/GIS .True or False response	boolean
application_agriforest_deforestation_detection	whether the paper discussed deforestation detection as an application using DL in RS/GIS .True or False response	boolean
application_agriforest_tree_canopy_detection	whether the paper discussed tree canopy detection as an application using DL in RS/GIS .True or False response	boolean
application_agriforest_disease_detection	whether the paper discussed disease detection as an application using DL in RS/GIS .True or False response	boolean
application_urbaninfra_building_detection	whether the paper discussed building detection as an application using DL in RS/GIS .True or False response	boolean
application_urbaninfra_urban_planning	whether the paper discussed urban planning as an application using DL in RS/GIS .True or False response	boolean
application_urbaninfra_road_network_detection	whether the paper discussed road network detection as an application using DL in RS/GIS .True or False response	boolean

Field Name	Description of the field	Data type
application_urbaninfra_change_detection	whether the paper discussed change detection as an application using DL in RS/GIS .True or False response	boolean
application_urbaninfra_infrastructure_monitoring	whether the paper discussed infrastructure monitoring as an application using DL in RS/GIS .True or False response	boolean
application_environmental_land_cover_classification	whether the paper discussed LULC as an application using DL in RS/GIS .True or False response	boolean
application_environmental_water_body_detection	whether the paper discussed Water body detection as an application using DL in RS/GIS .True or False response	boolean
application_environmental_natural_disaster_assessment	whether the paper discussed Natural Disaster Assessment as an application using DL in RS/GIS .True or False response	boolean
application_environmental_climatechange_impact	whether the paper discussed Climate change impact assesment as an application using DL in RS/GIS .True or False response	boolean
application_environmental_biodiversity_monitoring	whether the paper discussed biodiversity monitoring as an application using DL in RS/GIS .True or False response	boolean
application_coastalmarine_coastal_monitoring	whether the paper discussed coastal monitoring as an application using DL in RS/GIS .True or False response	boolean
application_coastalmarine_marine_ecosystem	whether the paper discussed marine ecosystem management as an application using DL in RS/GIS .True or False response	boolean
application_coastalmarine_fish_farm_detection	whether the paper discussed fish farm detection/monitoring as an application using DL in RS/GIS .True or False response	boolean
application_coastalmarine_ocean_parameter_analysis	whether the paper discussed ocean parameter analysis as an application using DL in RS/GIS .True or False response	boolean
application_others_military_defence	whether the paper discussed military defence as an application using DL in RS/GIS .True or False response	boolean
application_others_mining	whether the paper discussed mining as an application using DL in RS/GIS .True or False response	boolean
application_others_refugee_camps	whether the paper discussed refugee camp monitoring as an application using DL in RS/GIS .True or False response	boolean
application_others_archaeological_sites	whether the paper discussed archaeological site detection/monitoring as an application using DL in RS/GIS .True or False response	boolean
application_others_weather_monitoring	whether the paper discussed weather monitoring as an application using DL in RS/GIS .True or False response	boolean
application_others_ice_snow_monitoring	whether the paper discussed icesnow/glacier monitoring as an application using DL in RS/GIS .True or False response	boolean

Field Name	Description of the field	Data type
application_others_vehicle_detection	whether the paper discussed vehicle detection as an application using DL in RS/GIS .True or False response	boolean
application_others_traffic_analysis	whether the paper discussed traffic analysis as an application using DL in RS/GIS .True or False response	boolean
application_others_ship_classification_detection	whether the paper discussed ship detection as an application using DL in RS/GIS .True or False response	boolean
application_others_oil_spill_detection	whether the paper discussed oil spill detection as an application using DL in RS/GIS .True or False response	boolean
application_others_planetary_studied	whether the paper discussed other planetary studies as an application using DL in RS/GIS .True or False response	boolean
technicalfocus_preprocessing_methods	whether the paper discussed pre-processing methods .True or False response	boolean
technicalfocus_data_fusion_techniques	whether the paper discussed datafusion techniques .True or False response	boolean
technicalfocus_transfer_learning	whether the paper discussed transfer learning .True or False response	boolean
technicalfocus_few_shot_learning	whether the paper discussed few shot learning .True or False response	boolean
technicalfocus_active_learning	whether the paper discussed active learning .True or False response	boolean
technicalfocus_unsupervised_learning	whether the paper discussed unsupervised learning .True or False response	boolean
technicalfocus_semi_supervised_learning	whether the paper discussed semi-supervised learning .True or False response	boolean
technicalfocus_multi_task_learning	whether the paper discussed multi-task learning .True or False response	boolean
challengeslimitations_computational_resources	whether the paper discussed challeges/limitation related to computational resources .True or False response	boolean
challengeslimitations_data_availability	whether the paper discussed challeges/limitation related to data availability .True or False response	boolean
challengeslimitations_data_quality	whether the paper discussed challeges/limitation related to data quality .True or False response	boolean
challengeslimitations_algorithm_performance	whether the paper discussed challeges/limitation related to algorithm performance .True or False response	boolean
challengeslimitations_scalability_issues	whether the paper discussed challeges/limitation related to scalability issues .True or False response	boolean
challengeslimitations_domain_adaptation	whether the paper discussed challeges/limitation related to domain adaptation .True or False response	boolean

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year	Publication year of the paper computed from the date of publication field	int
mri_classification	Quality assessment category based on MRI score thresholds - Poor (<0.4), Fair (0.4-0.65), Good (0.65-0.85), or Excellent (>0.85)	category
mri_score	Methodological Rigor Index computed using weighted criteria including PRISMA compliance, dataset availability, and research methodology	float
full_implementation	Indicates whether all PRISMA components (inclusion/exclusion criteria, databases searched, time period covered) are fully implemented (score = 1)	boolean
prisma_implementation_score	Average score across PRISMA components, ranging from 0 to 1	float
prisma_concordance	Indicates full PRISMA implementation AND compliance with paper selection workflow	boolean