

Resource Summary Report

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FAE

RRID:SCR_025378

Type: Tool

Proper Citation

FAE (RRID:SCR_025378)

Resource Information

URL: <https://github.com/salan668/FAE>

Proper Citation: FAE (RRID:SCR_025378)

Description: Open-source software Python package for developing and comparing radiomics models. Used to build radiomics models and evaluate them using independent testing dataset. It also provides easy model comparison and result visualization.

Abbreviations: FAE

Synonyms: , FeAture Explorer (FAE), FeAture Explorer

Resource Type: software toolkit, software resource, source code

Defining Citation: [PMID:32804986](#)

Keywords: extract radiomics feature, preprocess feature matrix, developing and comparing radiomics models, radiomics models, model comparison and result visualization,

Funding: National Key Research and Development Program of China ;
Key Project of the National Natural ;
Science Foundation of China ;
Siemens Healthcare

Availability: Free, Available for download, Freely available

Resource Name: FAE

Resource ID: SCR_025378

License: GNU GPL v3.0

Record Creation Time: 20240529T053242+0000

Ratings and Alerts

No rating or validation information has been found for FAE.

No alerts have been found for FAE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 55 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Zhang Y, et al. (2026) Preoperative prediction of tumor budding grade in rectal cancer by combining APT histogram analysis and ADC MRI. European radiology experimental, 10(1).

Zhu M, et al. (2026) Exploration of prognostic prediction models for renal cell carcinoma using diffusion relaxation correlation spectroscopic imaging. BMC medical imaging, 26(1).

Yan BC, et al. (2026) Dual-energy CT clot and peri-clot radiomics for predicting complete reperfusion and clinical outcome following endovascular therapy in acute ischemic stroke. Insights into imaging, 17(1).

Bie Y, et al. (2026) Predicting glioma survival and extracellular matrix remodeling through MRI radiogenomics. Cell reports. Medicine, 7(5), 102775.

Bao J, et al. (2025) Magnetic resonance imaging radiomics-based machine learning model for preoperative prediction of pathological grade in pancreatic cancer: A preliminary study. European journal of radiology open, 15, 100703.

Wang J, et al. (2025) MRI-based habitat radiomics and deep learning for predicting vessels encapsulating tumor clusters and survival in hepatocellular carcinoma. Insights into imaging, 16(1), 284.

Abuliezi D, et al. (2025) Combined transrectal ultrasound and radiomics model for evaluating the therapeutic effects of neoadjuvant chemoradiotherapy in locally advanced rectal cancer. International journal of colorectal disease, 40(1), 7.

Zhao S, et al. (2025) Predicting IDH and 1p/19q molecular status of gliomas with multi-b values DWI. Frontiers in oncology, 15, 1551023.

Yao J, et al. (2025) Machine learning prediction of pathological complete response to neoadjuvant chemotherapy with peritumoral breast tumor ultrasound radiomics: compare with intratumoral radiomics and clinicopathologic predictors. Breast cancer research and

treatment, 212(2), 325.

Zhang H, et al. (2025) Diagnostic performance of amide proton transfer-weighted imaging and four advanced diffusion-weighted MRI models for meningioma grading and subtyping. *Cancer imaging : the official publication of the International Cancer Imaging Society*, 25(1), 142.

Li WZ, et al. (2025) Dynamic contrast-enhanced magnetic resonance imaging-based radiomics for predicting programmed death ligand 1 expression in nasopharyngeal carcinoma. *BMC medical imaging*, 25(1), 377.

Liu Y, et al. (2025) Kinetic and radiomic features on DCE-MRI as a predictor for axillary lymph node metastasis burden in T1 and T2 stage breast cancer. *Frontiers in oncology*, 15, 1700248.

Zhang S, et al. (2025) Integrating clinical features with 11C-methionine PET-MRI radiomics for non-invasive prediction of H3 K27M mutation in brainstem gliomas. *BMC medical imaging*, 26(1), 13.

Duan F, et al. (2025) Deep learning radiomics and 18F-FDG PET/CT imaging: mediastinal lymph node characteristics as predictors of metastasis in non-small cell lung cancer. *Translational lung cancer research*, 14(10), 4301.

Ji GW, et al. (2025) Radiogenomics of intrahepatic cholangiocarcinoma predicts immunochemotherapy response and identifies therapeutic target. *Clinical and molecular hepatology*, 31(3), 935.

Wang G, et al. (2025) Radiomics and machine learning model can improve the differentiation between ocular adnexal lymphoma and idiopathic orbital inflammation. *Chinese medical journal*, 138(2), 234.

Liu F, et al. (2025) Radiomics of Dynamic Contrast-Enhanced MRI for Predicting Radiation-Induced Hepatic Toxicity After Intensity Modulated Radiotherapy for Hepatocellular Carcinoma: A Machine Learning Predictive Model Based on the SHAP Methodology. *Journal of hepatocellular carcinoma*, 12, 999.

Zhong T, et al. (2025) Preoperative prediction of brain invasion in meningiomas: a comparison of diffusion kurtosis imaging and diffusion tensor imaging. *BMC neurology*, 25(1), 422.

Xu W, et al. (2025) Predicting the molecular subtypes of 2021 WHO grade 4 glioma by a multiparametric MRI-based machine learning model. *BMC cancer*, 25(1), 1171.

Zhang T, et al. (2025) Clinical-radiomics combination model for predicting the short-term efficacy of bipolar transurethral enucleation of the prostate in patients with benign prostatic hyperplasia. *Current urology*, 19(1), 30.