

Tingdi Ren

English: 108(TOEFL), 516(CET-6)

Code: Python, Matlab, R, C++, Mathematica Mail: tingdiren@gmail.com Homepage: adilifer.com



Education -

♦ Central University of Finance and Economics

2023 -

• Major: B.Eco. Actuarial Science (bachlor-straight-to-doctorate)

⋄ Ningbo University 2019 - Now

• Major: B.Eco. Financial Engineering GPA: 3.81/4.0

• Rank: 1/25

Research Experiences -

♦ Reinforced Swin-Convs Transformer for Simultaneous Underwater Sensing Scene Image Enhancement and Superresolution Publication Jan 2022 - Sep 2022

- Abstract: A deep network for underwater images enhancement and simultaneous super-resolution is built based on the Swin Transformer model in computer vision, improved by our introduction of convolutions with the redesigned multi-task loss functions. The network achieved the state-of-the-art on mainstream datasets.
- Deliverables: The paper is published at IEEE Transactions on Geoscience and Remote Sensing (IF: 8.125) as the first author.
- ♦ Patent Infringement Case Prediction Auxiliary System Based on DNN Project Manager Apr 2021 – present
 - Abstract: We establish a deep neural network-based auxiliary system for patent infringement case prediction. Users e.g. junior legal personnel can predicted the compensation amounts (categories) of infringement case. And a analysis system visualizing the risk degree of a certain region and industry is constructed.
 - Deliverables: The initial result is deployed at project.adilifer.com/Patent, supported by ZJ-Xinmiao Talents Program.
- ⋄ Private Bank Efficiency Evaluation Based on Two-Stage Network DEA Project Manager Nov 2019 Nov 2020
 - Abstract: A two-stage network DEA model regarding the deposit as an intermediate product is proposed to evaluate the efficiency of developing private banks. After verifying the rationality of the hypothesis, the empirical studies show the incomplete efficiency of the private banking industry with a "virtual bank".
 - Deliverables: The conclusion thesis can see adilifer.com/files/research/Bank.pdf, supported by NBU-SRIP.
- ♦ Adaptive Application of Asset Bubble Detection under Martingale Pricing Preprint Oct 2021 - Dec 2021
 - Abstract: With the asset bubble defined by strict local martingale and modeling the asset price process via SDE, Bubble Theory is utilized to convert the problem of asset bubble detection into estimating the parameter of SDE. HMM smoothing and conditional filtering are used to the apply to the Chinese A shares.
 - Deliverables: The preprint version can see adilifer.com/files/research/Asset_Bubble_Dectection.pdf

My homepage showns more research experiences...

Awards ————		
YangMing Legend of the Year	2021	Contemporary Undergraduate Mat Modeling National First Prize (Capta
Social Services —		The 6th China International College
Assistant of Mathematical Statistics (Mao)	2021 Fall	Innovation and Entrepreneurship Cor Award (Rank 3 in Team) Mathematical Contest In Modeling / 1
Assistant of Mathematical Statistics (Sun)	2022 Spring	
Skills Certificate ————		In Modeling Meritorious Winner (Cap
Securities Qualification Certificate	2019	The 12th Chinese Mathematics Company Province

athematical Contest in 2020

Competitions

ege Students' Internet+ empetition National Gold 2020

Interdisciplinary Contest ptain) 2021

npetitions Third Prize in 2020 Zhejiang Province

The ZheJiang 7th College Students' Securities Investment Competitions Third Prize in Zhejiang Province) 2021