My first scientific paper
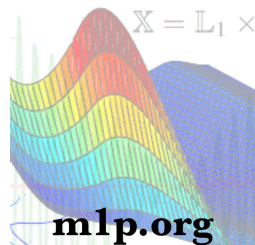## in Machine Learning

Vadim Strijov

Moscow Institute of Physics and Technology

2021

The course produces student research papers

Machine learning projects: how to

- ▶ state the problem,
- ▶ make the project feasible,
- ▶ present results of the experiment

mlp.org

Science requires community:

- ▶ Student is a project driver, who wants to plunge into scientific research activities.
- ▶ Consultant, a graduated student, conducts the research and helps the student.
- ▶ Expert, a professor, states the problem and enlightens the road to the goal.

Lecture
- ▶ Theoretical part: Machine learning for researchers
- ▶ Practice: The routine of scientific research and homeworks

Seminar
- ▶ Collective games
- ▶ Analysis of projects
- ▶ Talks

We read aloud every paper to prepare it for publication

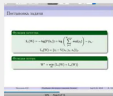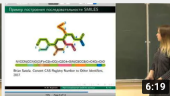# Four talks to convey your message to the audience

YouTube channel: Machine Learning

Roadmap

1. Set the toolbox
2. Select your project
3. Read papers
4. Write introduction
5. State the problem
6. Set your experiment
7. Develop your theory
8. Make error analysis
9. Paper draft
10. Share your results
11. Finalize your paper
12. Present your talk

Deliveries are scheduled
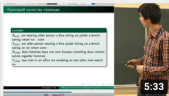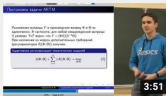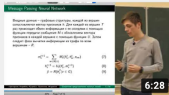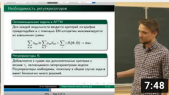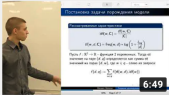
- LinkReview with references and the literature review
- GitHub with the code and computational experiment
- Paper is ready for submission
- Slides for the presentation
- Video of the conference talk

Table with links to the deliveries and the marks

Моя первая научная статья — machinelearning.ru/wiki/index.php?title=Моя_первая_научная_статья_%28практика%2C_В.В._Стри...

Результаты

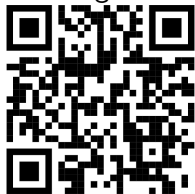| Автор	Тема научной работы	Ссылки	Консультант	Буквы	Рецензент
Гребенькова Ольга	Вариационная оптимизация моделей глубокого обучения с контролем сложности модели	LinkReview 🔒 GitHub 🔒 Paper 📄 Slides 📄 Video 🔒	Олег Бахтеев	AILP+UXBR+HCV+TEDWS	Шокоров Вячеслав Review 📄
Филатов Андрей	Прогнозирование намерений. Исследование свойств локальных моделей при пространственном декодировании сигналов головного мозга	LinkReview 🔒 GitHub 🔒 Paper 📄 Slides 📄 Video 🔒	Валерий Маркин	AILPHUXBRCVTEDWS	Христолюбов Максим Review 📄
Исламов Рустем	Анализ свойств ансамбля локально аппроксимирующих моделей	LinkReview 🔒 GitHub 🔒 Paper 📄 Slides 📄 Video 🔒	Андрей Грабовой	AILPHUXBRCVTEDWS	Гунаев Руслан Review 🔒
Жолобов Владимир	Ранее прогнозирование достаточного объема выборки для обобщенно линейной модели.	LinkReview 🔒 GitHub 🔒 Paper 📄 Slides 📄 Video 🔒	Григорий Малиновский	AILPHUXBRCVTEWSF	Вайсер Кирилл Review 📄
Вайсер Кирилл	Аддитивная регуляризация и ее метапараметры при выборе структуры сетей глубокого обучения	LinkReview 🔒 GitHub 🔒 Paper 📄 Slides 📄 Video 🔒	Марк Потанин	AILP+HUX+BRCV+TEDWS	Жолобов Владимир Review 🔒

News:

- ▶ Every your project is welcome!
- ▶ Your experts and consultants are highly appreciated!
- ▶ The number of students is not limited.

Challenges:

- ▶ Every student should work with the society!
- ▶ The project should be welcome to disseminate.
- ▶ The peer-review must be continuous.

A student paper example

A student paper example

Your benefits

- ▶ Research experience
- ▶ Published paper
- ▶ Qualification proof

Get info and ask your questions

Telegram

t.me/m1p_org

Info

m1p.org

YouTube

Machine Learning

Russian: Вадим Викторович Стрижов, МФТИ
Автоматизация научных исследований
mlalgorithms@gmail.com
http://www.machinelearning.ru/wiki/index.php?title=m1

поиск

m1

Перейти   Найти

Any topic is welcome on the open-access basis!