

Kursrapport MT7037 Statistisk informationsteori VT24

Antal respondenter: 2
Antal svar: 1
Svarsfrekvens: 50,00 %

. Beskrivning av kursupplägget.

Beskrivning av kursupplägget.

The course aims at introducing the fundamental concepts in information theory, their relationship and their contemporary applications in statistics, machine learning, time series analysis, dynamical system, physics, etc. Topics that will be covered in the course include basic concepts of information theory, entropy rates of stochastic process, differential entropy, information flow & causal detection, statistical learning, rate distortion theory, information bottleneck, multivariate dependence and multi-information, etc.

. Kursens fördelar, beakta studenternas uppfattning i kursutvärderingar.

Kursens fördelar, beakta studenternas uppfattning i kursutvärderingar.

- 1) Good teaching
 - 2) Interesting materials,
 - 3) Good layout of exam to include implementation/coding of methods
-

. Kursens nackdelar, beakta studenternas uppfattning i kursutvärderingar.

Kursens nackdelar, beakta studenternas uppfattning i kursutvärderingar.

- 1) Some course literature, in particular journal paper, are difficult to follow.
 - 2) Avoid having the same deadlines of HW/project with other courses
-

. Slutsatser samt förslag till förbättringar.

Slutsatser samt förslag till förbättringar.

- 1) Some course literature, in particular journal paper, are difficult to follow.
Our response: We did explain in details the concepts and math of the course materials in lecture. I guess that the student who have problem to read the paper by himself/herself MUST have skipped some lectures!
 - 2) Avoid having the same deadlines of HW/project with other courses
Our response: It is impossible to completely avoid collision of deadlines with other courses since students in the course may take different courses from each others. Moreover, the due dates of the HWs and exams were announced in the very beginning of the semester, the students can easily make plans in completing them. Also paralleling tasking is a necessary skill to practice if students want to be successful in their future career.
-