### Japanese Software Education

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## This is **Society 5.0**

#### (Creative Society)



#### How Japanese Education will change



of Study.

## There was a big change this time on Software Education





**Under Review!** 

Information study I as a University Entrance Examination





Utilizing Statistics for problem finding and solving, and deciding objectively

## High School "Information Study $\,I\,\,''$ Information Design







#### **Functions**



## High School "Information Study I" programing

Learn through programming, learn programming, and utilizing programming, so that you can think







Use Al

### High School "Information Study I" Network and Utilizing data Network design Test for comperison

宅内端末 印電話対応

VDSL装置 ブロードパンドルータ

ターネットへのゲートウェイ

#### Statistics-simple regression



# High School "Information Study ${\rm I\!I}$ " Advanced elective subjects

- Data Science
  - Data Analysis→Modeling→Prediction
    →Machine Learning→AI
- System Programing
  - Desingning system→Dividing→Cording→Integration
  - Total Management
- Inquire→Utilize→New Value

### High School Preparation

- Training materials (made by Ministry of Education)
- Training by local government
  - Use Training materials(Book,Video,Data,Code,other)
- Other
  - Coorporation of Academic Society, Company and NPO

### About AI

- Elementary School and Junior High
  - Al Equipped robot for example Pepper



- Think about the relationship between AI and people
- High School(Information Study I)
- Use Understanding the characteristics of AI
  - Use API on programming

Play

- High School(Information Study II)
- Learn Consider the world changed by AI
  - Consider the ability required of people in that world
  - Learn Data Science and Machine Learning

#### Literacy education

Long-term efforts at each stage, from elementary school students to working adults, to establish "mathematical / data science" as the "reading, writing, and abacus" of the digital society



Integrated Science, Technology and Innovation Conference

### Machine learning

- Regression
- Classification
- Clustering



the repetitions

 $\lceil$  Initiation of Programing Thinking (First Edition)  $\rfloor$