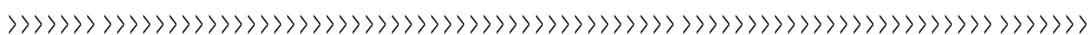


A I and Big Data for Urban Planning I



Warm up!

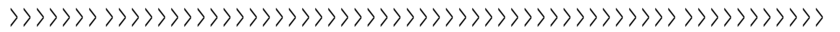


Check the important words and phrases used in the session and what they mean. You can also use the read-aloud voice on the website to check your pronunciation.

<input checked="" type="checkbox"/> Words & Phrases	訳
<input type="checkbox"/> 1. AI	人工知能（artificial intelligence の略）
<input type="checkbox"/> 2. urban planning	都市計画
<input type="checkbox"/> 3. emerging	新たに生じる、新興の
<input type="checkbox"/> 4. simulate	～をシミュレーションする、～の模擬実験をする
<input type="checkbox"/> 5. traffic jam	交通渋滞
<input type="checkbox"/> 6. air pollution	大気汚染
<input type="checkbox"/> 7. methodology	方法論
<input type="checkbox"/> 8. questionnaire	アンケート
<input type="checkbox"/> 9. track	～を追跡する
<input type="checkbox"/> 10. assigned	割り当てられた
<input type="checkbox"/> 11. trajectory	コース、道筋
<input type="checkbox"/> 12. in advance	前もって
<input type="checkbox"/> 13. analysis	分析
<input type="checkbox"/> 14. optimum	最適な、最善の
<input type="checkbox"/> 15. relevant	妥当な、適切な
<input type="checkbox"/> 16. congestion	混雑、密集
<input type="checkbox"/> 17. optimization	最適化
<input type="checkbox"/> 18. optimize	～を最適化する
<input type="checkbox"/> 19. infrastructure	社会基盤、インフラ（ストラクチャー）
<input type="checkbox"/> 20. liberal arts	（大学の）一般教養



Let's join the session!



The following questions are based on the contents of the session. Watch the session and answer each question.

[1] What is the problem with using manual methodologies for data collection?


[2] What characteristics does Bluetooth have?

[3] What can we do by using Bluetooth scanning systems?

[4] What kind of information is obtained using Bluetooth at the Louvre Museum project?



[5] What does the visitors' most used trajectory mean?



[6] How can we use the results of the Louvre Museum project?

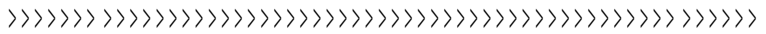


[7] If we plan everything in advance, what do you think will happen?





Wrap up the session!



[1] The following is a summary of the session. Write down the appropriate words in the blanks in the passage. You may use the same words for several blanks.

It is necessary for () () to collect () about people's () in cities. In the past, data was collected using () (), such as interviews or questionnaires. However, in order to get a lot of data, the technologies of () and () () are now used. A good example is the Louvre Museum project. In this project, () was used to collect data about (). The members of the project team could collect a lot of data using a () scanning system. They () the dataset of visitors' behaviors during one year using AI, and found the () route on which they could look at famous () of art. The information about the route seems to be () for visitors, but using the route also means we lose the chance to encounter () (). We need something more than () to make cities livable.

[2] Write down what you learned in today's session.

