

教育部智慧創新跨域人才培育聯盟計畫

大數據分析產學交流研討會(主講題目：Big Data, Big Decisions)

一、研討會資訊

研討會名稱：110 年教育部智慧創新跨域人才培育聯盟計畫—大數據產學交流研討會

研討會日期：2021 年 10 月 15 日

研討會地點：南臺學校財團法人南臺科技大學 T0709

研討會主要內容：

表 1 大數據產學交流研討會議程

時間	演講者與講題
9:00~11:00	講者：日發行醫療器材有限公司 顏嘉宏經理 講題：Big Data, Big Decisions

二、演講者簡歷

- 日發行醫療器材有限公司技術支援總監
- 南臺科技大學電機系兼任助理教授
- 南臺科技大學醫療器械檢測實驗室技術主任
- SpaceLabs Medical / USA 亞洲 區技術 經理
- Haemonetics/ USA 台灣區技術經理
- 奇美醫學中心幹細胞研究室研究員
- 奇美醫學中心 醫工組組長
- 原子能委員會輻射安全防護員
- 勞委會乙級電腦硬體修護員
- 國際 ISO17025 訓練合格員
- 中華民國生物醫學工程師

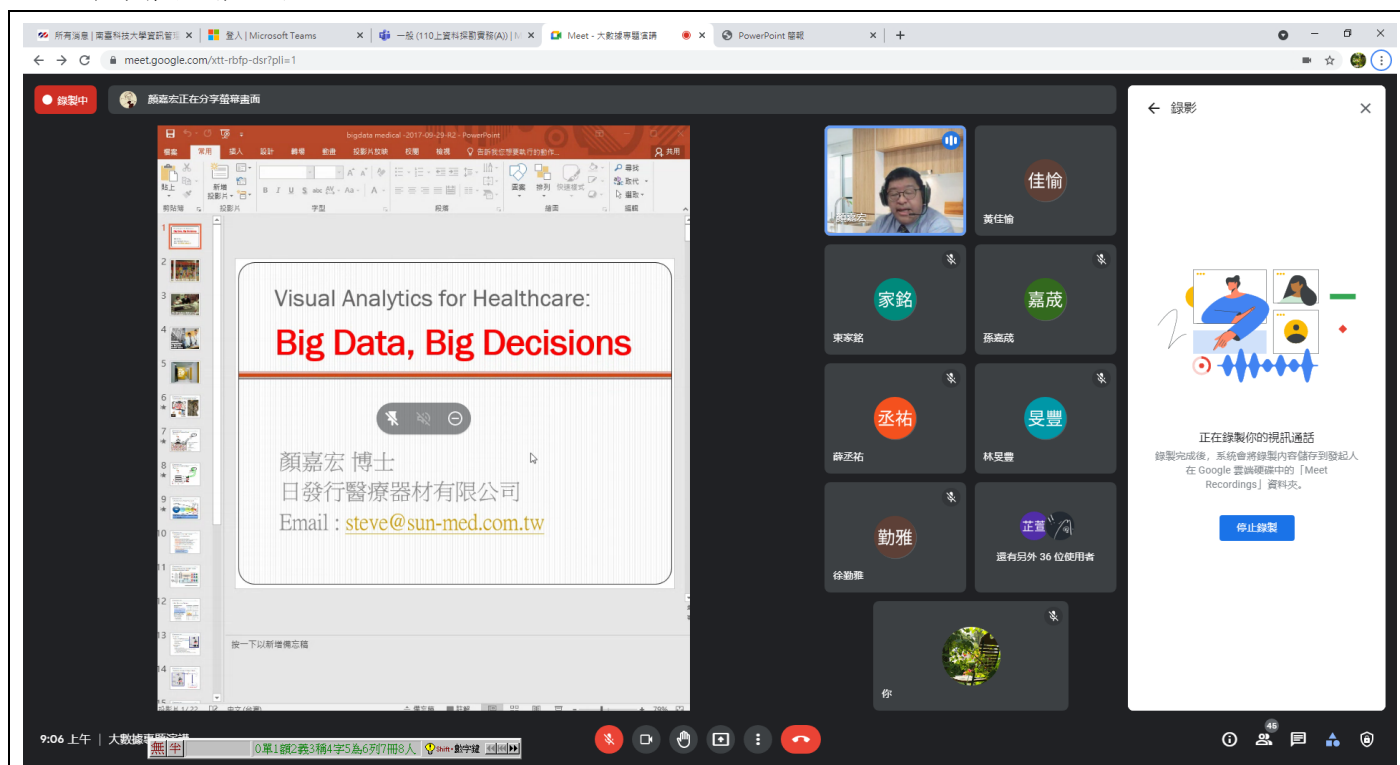
三、演講大綱：

- 1.醫療大數據來源：醫療保健行業中，大數據的各種來源包括醫院記錄，患者的醫療記錄，體檢結果作為數據分析的依據。
- 2.生物醫學研究還產生了大量與公共衛生相關的大數據。為了獲得有意義的信息，需要對這些數據進行適當的管理和分析。

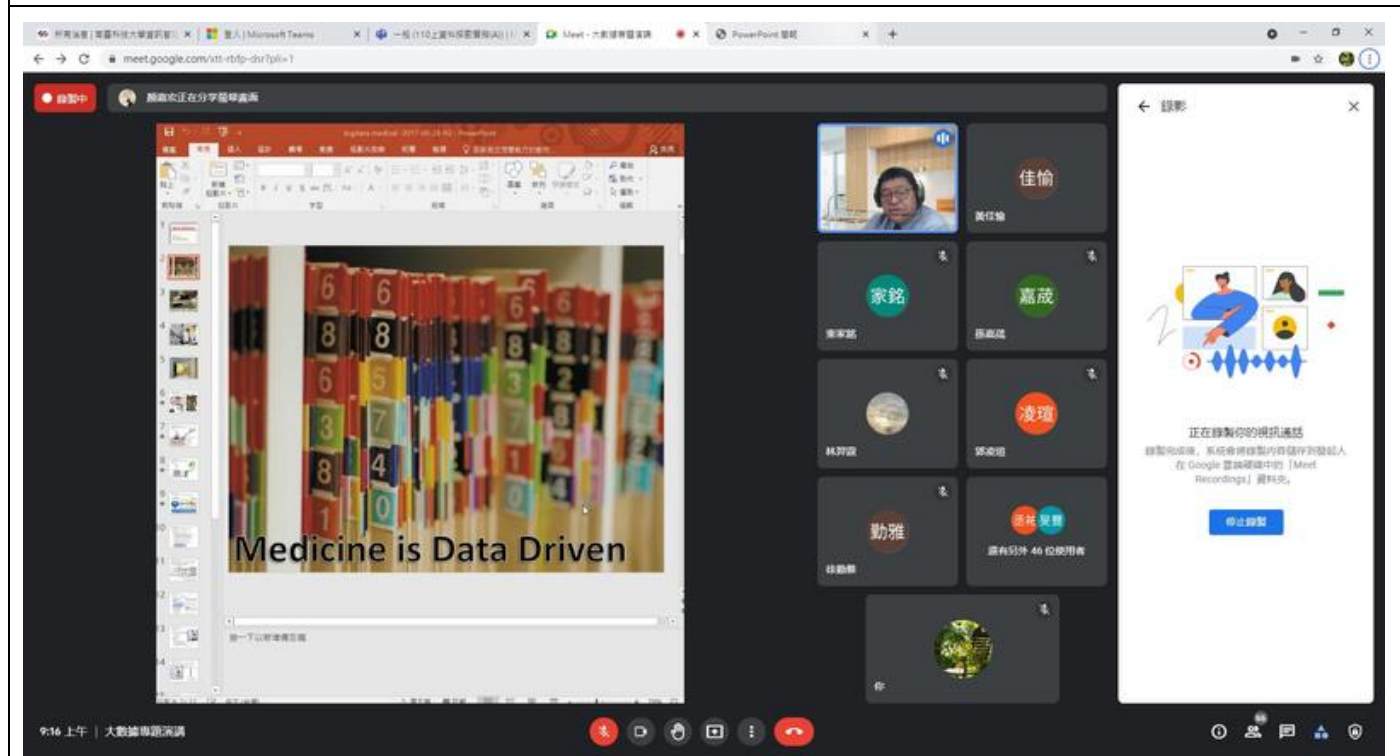
四、成果報告:

本次的演討會因為疫情的緣故是採用分流方式(線上與實體)方式舉辦，並採用線上簽到，總共參與人數為 66 人，實體的師生 55 人，線上的師生 10 人。

五、研討會相關照片



說明：線上演講畫面



說明：線上演講畫面

南臺QRcode簽到申請系統

新增簽到地點

☒ 會議簽到 ☐ 辦公室洽公用途(QRcode不限期間簽入)

*會議名稱

大數據分析產學交流研討會(主講題目: Big Data, Big Decisions)

*會議日期

2021/10/15

*開始時間

上午 09:00

*結束時間

上午 11:00

*會議地點

線上演講

*主辦單位

資訊管理系

*承辦人

黃仁鵬

原報名網址

選項,可不填

☒ 是否含有校外人士(提供校外人士簽到用)

☐ 董監事會議

簽到網址: <http://portal.stust.edu.tw/QRSign/login.aspx?id=K2tIN0RjNm9XUFU9>

更新會議

取消

會議列表

編號	會議名稱	會議日期	簽到	承辦人
功能	6557 大數據分析產學交流研討會(主講題目: Big Data, Big Decisions)	2021/10/15 09:00~11:00	84	資訊管理系 黃仁鵬

說明：線上簽到 QR code 設定與簽到人數畫面

說明：線上演講畫面

The screenshot shows a Google Meet interface. The main window displays a PowerPoint slide titled "Exploiting Electronic Medical Records" with the subtitle "Making healthcare smarter". The slide features a diagram of an "EMR Database" connected to various icons representing healthcare data. The right sidebar shows a grid of participants: 佳倫 (Jialun), 家銘 (Jiaming), 嘉茂 (Jiamao), 尚宇 (Shangyu), 勤雅 (Qinya), and 你 (You). A recording status bar at the bottom indicates "9:43 上午 | 大數據專題演講".

說明：線上演講畫面

The screenshot shows a Google Meet interface. The main window displays a PowerPoint slide titled "Personalized Evidence-Based Medicine" with the subtitle "Making healthcare smarter". The slide features a diagram showing a "Patient" and a "Clinician" interacting with a green arrow pointing to a bar chart. The right sidebar shows a grid of participants: 佳倫 (Jialun), 尚宇 (Shangyu), 家銘 (Jiaming), 勤雅 (Qinya), 嘉茂 (Jiamao), and 你 (You). A recording status bar at the bottom indicates "9:50 上午 | 大數據專題演講".

說明：線上演講畫面

9:58 上午 | 大數據專題演講

說明：線上演講畫面

10:09 上午 | 大數據專題演講

說明：線上演講畫面

Google Meet interface showing a presentation slide titled "Making healthcare smarter" with the subtitle "Initial Success Stories". The slide content includes:

- **Successful research prototypes**
 - Treatment efficacy analysis
 - Physician outcome modeling
 - Utilization analysis
 - Heart failure risk prediction
- **Developed with select group of IBM partner medical institutions**
 - Real patient data
 - Domain expertise
 - Clinical evaluation

The interface also displays a grid of participants (e.g., 佳倫, 尚宇, 家銘, 勤雅, 嘉茂) and a recording status bar at the bottom indicating "10:13 上午 | 大數據專題演講".

說明：線上演講畫面

Google Meet interface showing a presentation slide titled "Making healthcare smarter" with the subtitle "Wide Range of Visualization Use Cases". The slide content includes:

- **Dashboard / "At a Glance"**
 - e.g., "What is the patient's risk score?"
- **In-Depth Exploratory Analysis**
 - e.g., "Understanding impacts of variations in care"
 - **Expertise through interaction**
 - Key for scaling to "big data"

The interface also displays a grid of participants (e.g., 佳倫, 尚宇, 家銘, 勤雅, 嘉茂) and a recording status bar at the bottom indicating "10:19 上午 | 大數據專題演講".

說明：線上演講畫面

The screenshot shows a Google Meet interface with a PowerPoint presentation titled "Scaling for Big Data" by "Making healthcare smarter". The presentation slide features a flowchart illustrating the process of scaling for big data. The flow starts with "Many Features" and "Many Patients" (represented by a blue box), leading to "Feature Selection" (a blue box with a red arrow). This is followed by "Cohort Selection" (a blue box with a red arrow), and then "Additional Analytics" (a blue box with a red arrow). The final step is "Feedback via Expert Interaction" (a blue box with a red arrow). The flowchart is set against a background of a blue sky with white clouds. The Google Meet interface includes a sidebar on the left with a list of participants, a main video area showing the presentation, and a right sidebar with a "錄影" (Recording) button and a "停止錄影" (Stop Recording) button. The bottom status bar shows the time as 10:21 上午 and the topic as 大數據專題演講.

說明：線上演講畫面

The screenshot shows a Google Meet interface with a PowerPoint presentation titled "Interactive Cohort Visualization" by "Making healthcare smarter". The presentation slide features two side-by-side visualizations: "FacetAtlas" on the left and "SolarMap" on the right. "FacetAtlas" is a network diagram showing relationships between nodes, while "SolarMap" is a circular diagram showing a distribution of data points. The Google Meet interface includes a sidebar on the left with a list of participants, a main video area showing the presentation, and a right sidebar with a "錄影" (Recording) button and a "停止錄影" (Stop Recording) button. The bottom status bar shows the time as 10:28 上午 and the topic as 大數據專題演講.

說明：線上演講畫面

The screenshot shows a Google Meet interface with a PowerPoint presentation titled "Making healthcare smarter" and "Interactive Cohort Visualization". The presentation content includes:

- DICON**: A complex flowchart showing patient journeys and outcomes.
- OutFlow**: A diagram showing patient flow and outcomes, with a callout stating: "This high mortality subgroup correlates with these medications."

The Meet interface includes a sidebar with participant avatars (佳倫, 尚宇, 家銘, 勤雅, 嘉茂, 你) and a recording status bar at the bottom indicating "10:28 上午 | 大數據專題演講".

說明：線上演講畫面

The screenshot shows a Google Meet interface with a PowerPoint presentation titled "Making healthcare smarter" and "Conclusions". The presentation content includes:

- Real-world medical data is challenging, but has great potential**
 - Better treatments
 - More efficient care
- Many difficult challenges**
 - Large and Complex Data
 - Demanding Domain-Specific Requirements
- Solutions require collaboration across many disciplines**
 - Data analytics and statistics
 - Visualization and user interaction
 - Systems
 - Medical domain experts

The Meet interface includes a sidebar with participant avatars (佳倫, 尚宇, 家銘, 勤雅, 嘉茂, 你) and a recording status bar at the bottom indicating "10:29 上午 | 大數據專題演講".

說明：線上演講畫面



說明：學生實體聽演講畫面



說明：學生實體聽演講畫面



說明：學生實體聽演講畫面