

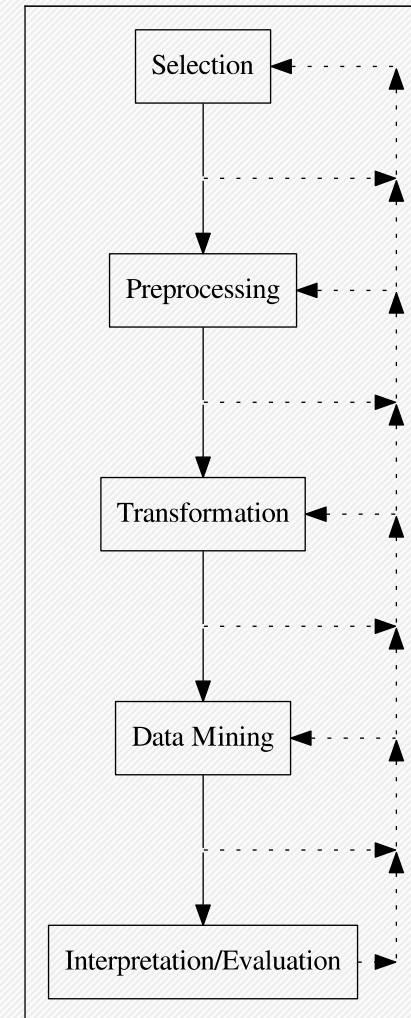


pqw[®]

IT-MANAGEMENT-CONSULTING

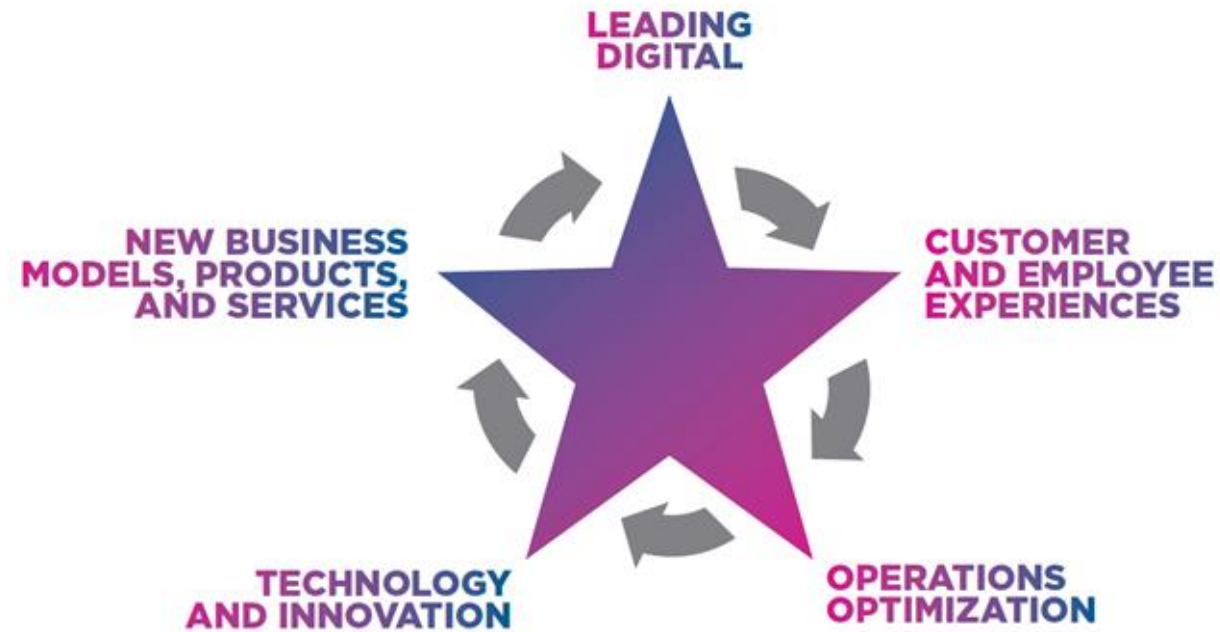
Knowledge Discovery in Databases

KDD is defined as a series of steps to be taken in the general process of converting data into knowledge



(KDD; Fayyad, Piatetsky-Shapiro, & Smyth, 1996; Han, Kamber, & Pei, 2011)

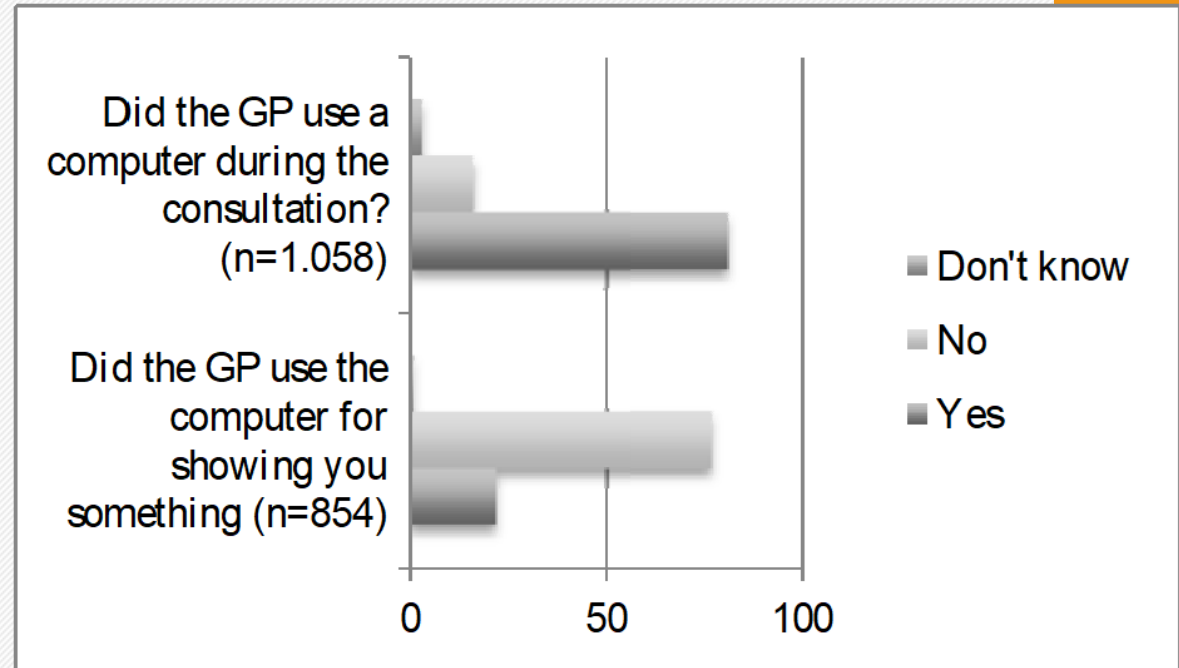
The 5 key dimensions of the Digital Star Cycle are:



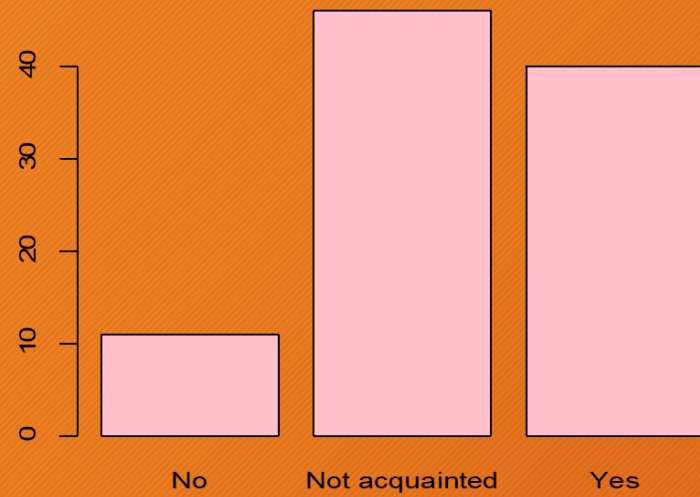
source: www.des-madrid.com

Why computer can be used during a visit to the GP's office?

- For a survey done by PQW 2019 this example is used to clarify why it was asked to input the use of computer machines to the participants in the study in NICD-Egypt when they requested clarification.

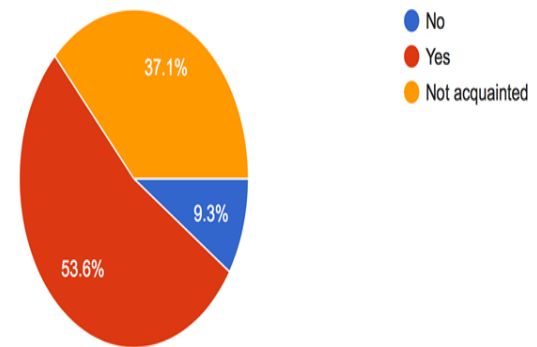


Knowledge about system usability scale



Clinical Decision Support system is helpful for your practice

97 responses



Challenges Driving Development

- HSC
- DHI
- ICT System Category

Lets dive-in--->>>>

Activity

- Doctors In Action
- Clinicians In Action
- Admin in Action

What is W.S?

- COMMUNICATION
- INFO. DISPLAY
- INTERACTION

What is an interface?

- Analysis&interpretation
- Data entry&Documentation
- Informed Decision

User Interface in Healthcare

- Nielsen and Molich's 10 User Interface Design Guidelines

1. Visibility of system status.
2. Match between system and the real world.
3. User control and freedom.
4. Consistency and standards.
5. Error prevention.
6. Recognition rather than recall.
7. Flexibility and efficiency of use.
8. Aesthetic and minimalist design.
9. Help users recognize, diagnose and recover from errors.
10. Help and documentation.

How to Speak (understand) With an interface?

- Upper Lt Towards Lower Right Every time

Angles

- Read it Before you order
- (like in restaurants)

Menus

- Know what's hidden and prevent what's hidden every time

Layers

AI in Healthcare

GE HEALTHCARE AI PRINCIPLES

GE Healthcare will apply these AI principles to help improve healthcare quality, cost, access and the patient experience, in the pursuit of Precision Health. AI Systems exist to augment human intelligence, elevate clinical care teams and must:



Be designed for the benefit, safety and privacy of the patient



Be a trusted steward of the data and insights



Be transparent and deliver robust and reproducible results



Guard against creating or reinforcing bias



A much simpler answer...

What is ERP?

ERP is a system that optimizes the flow of
information, materials, and cash
in an organization



- What is ERP----->----> The concept ?

ERP System

- is a set of applications for managing a company's core business processes - including finance and accounting, supply chain, HR, procurement, sales, inventory management, and more.

Six key benefits of ERP

- **Higher productivity:** Streamline and automate your core business processes to help everyone in your organization do more with fewer resources.
- **Accelerated reporting:** Fast-track business and financial reporting and easily share results. Act on insights and improve performance in real time.
- **Simpler IT:** By using integrated ERP applications that share a database, you can simplify IT and give everyone an easier way to work.
- **Deeper insights:** Eliminate information silos, gain a single source of truth, and get fast answers to mission-critical business questions.
- **Lower risk:** Maximize business visibility and control, ensure compliance with regulatory requirements, and predict and prevent risk.
- **Improved agility:** With efficient operations and ready access to real-time data, you can quickly identify and react to new opportunities.

Wi-Fi6 V.S 4G V.S 5G

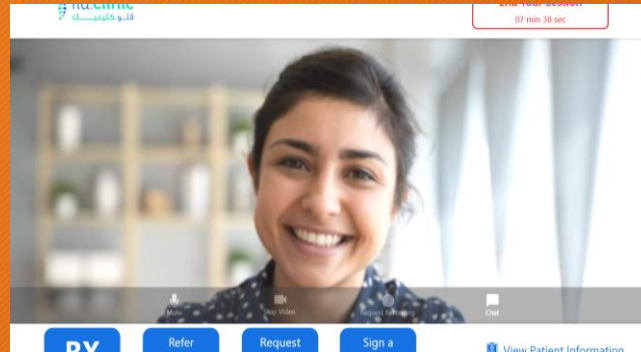
5G's technology specs far surpass those of other wireless protocols

| Feature | Description | Real-time high-capacity, low-latency applications | | |
|--------------------------|---|---|-----------------|--------------|
| | | Wi-Fi6 | 4G | 5G |
| Latency | Delay between the sender and receiver of the data — the lower the latency, the more 'real time' the experience of the event | 20 milliseconds (ms) | 30–50 ms | 1–10 ms |
| Reliability/availability | How efficient the network is in transporting data between the source and destination without packet loss | 99.99% | 99.99% | 99.99% |
| Throughput | Theoretical maximum amount of data moved from one place to another in a given period | 9.6 Gbps | 300 Mbps–1 Gbps | 10 Gbps |
| Speed (project driven) | Expected practical speeds per user or device | 1 Gbps | 20–50 Mbps | Up to 1 Gbps |
| Connection density | Number of connected devices per unit area | 8 per part | 12 per part | 100 per part |
| Energy | Comparative power consumption levels | Medium | High | Medium |

Source: PwC

4P Medicine + 5G in healthcare

- PREDECTIVE
- PERSONALISED
- PREVENTIVE
- PARTICIPATORY



- Why?

increasing and
boosting IoT and AI

Davinci Xi ((OOB))

https://youtu.be/_WsgJznDVic

Davinci Xi ((OOB))

https://youtu.be/_WsgJznDVic

https://youtu.be/3k4Q_UW0qPc

- PEEK

The Medical Futurist Institute:

**A.I. will not cure cancer.
Cancer patients and their
oncologists sharing their data
with artificial intelligence can.**