

Chapter 7 Expert Systems

*expertise [ˌɛkspəˈtɪz]n. (名詞 noun)

1. 專門知識;專門技術

*codify [ˈkɒdəˌfaɪ]vt. (及物動詞 transitive verb)

1. (有系統的)編纂

*transfer [ˈtrænsˈfɜː]vt. (及物動詞 transitive verb)[(+from/to)]

1. 搬;轉換;調動

She has been **transferred** to another department.

她已被調往另一部門。

[ˈtrænsfɜː]n. (名詞 noun)

1. 遷移;移交;轉讓;轉帳[C][U]
2. 調任(者);轉校(生)[C][U]

This footballer wants a **transfer** to another team.

這位足球運動員想轉到另一個球隊踢球。

*diagnosis [ˌdaɪəɡˈnɒsɪs]n. (名詞 noun)

1. 診斷;診斷結果;診斷書[C][U][(+of)]

The two doctors made different **diagnoses** of my disease.

兩位醫生對我的病下了不同的診斷結論。

*acquisition [ˌækwəˈzɪʃən]n. (名詞 noun)

1. 獲得,取得[U]

He devotes his time to the **acquisition** of knowledge.

他把時間用在獲取知識上。

*elicit [ɪˈlɪsɪt]vt. (及物動詞 transitive verb)

1. 引出;誘出[(+from)]

After much questioning, he **elicited** the truth from the boy.

在多次詢問後,他從這男孩處誘出了真情。

*component [kəmˈpɒnənt]n. (名詞 noun)

1. (機器、設備等的)構成要素;零件;成分[C]

A computer consists of thousands of **components**.

電腦由成千上萬個部件組成。

*inference [ɪnˈfɜːrəns]n. (名詞 noun)

1. 推論,推斷[U]

He hasn't written to us for ages, and my **inference** is that his eyesight must have gotten worse.

他許久沒來信了,我想他的視力一定變得更糟了。

2. 推斷的結果;(邏輯上的)結論[C]

What **inferences** can we draw from these facts?

從這些事實中我們可以推出什麼結論?

*interface [ˈɪntəˌfes]n. (名詞 noun)

1. 界面,分界面

*diagnostic [ˌdaɪəɡˈnɒstɪk]a. (形容詞 adjective)

1. 診斷的;特徵的

*underlying [ˌʌndəˈlaɪɪŋ]a. (形容詞 adjective)[B]

1. 在下面的;放在下面的

2. 基本的,根本的

The **underlying** reason for the failure remains unknown.

失敗的根本原因尚未搞清。

3. 含蓄的;潛在的

The story has an **underlying** theme.

這故事有一個內在的主題。

*rationale [ˌræʃəˈnæl]n. (名詞 noun)

1. 基本理由

2. 原理的闡述

*overrule [ˌovəˈruːl] vt. (及物動詞 transitive verb)

1. 否決;駁回;宣佈...無效;拒絕

The judge **overruled** his claim.

法官駁回了他的要求。

2. 否決(或駁回)...的意見

The President was **overruled** by the Congress.

總統的意見被國會否決。

*embrace [ɪmˈbres] vt. (及物動詞 transitive verb)

1. 擁抱

They **embraced** each other warmly.

他們相互熱烈擁抱。

2. 包括,包含

The cat family **embraces** lions and tigers.

貓科包括獅和虎。

3. 抓住(機會等);欣然接受(提議等)

She **embraced** his offer to help her with her English.

她欣然接受他幫她學習英文的提議。

4. 信奉;皈依

People in this region **embraced** Christianity at the turn of the century.

這一地區的人在本世紀初開始信奉基督教。

*interaction [ˌɪntəˈræksjən] n. (名詞 noun)

1. 互相影響

2. 互動

*adverse [ədˈvɜːs] a. (形容詞 adjective)

1. 逆向的,相反的;反面的

Adverse winds hinder ships.

逆風使船隻受阻。

2. 不利的,有害的

The expedition encountered **adverse** weather conditions.

探險隊遇到了不利的氣候條件。

*cruise [kruːz] vi. (不及物動詞 intransitive verb)

1. (無目的地的)巡航;航遊

The coastguard cutter **cruised** along the coast looking for smugglers.

海岸警衛隊緝私艇沿海巡邏搜尋走私犯。

2. (計程車,警車等)緩慢巡行

The taxi was **cruising** down the street in search of passengers.

計程車沿大街緩慢地行駛以免攬顧客。

3. (以最省燃料的速度)航行,行駛

4. 漫遊

*significant [sɪgˈnɪfəkənt] a. (形容詞 adjective)

1. 有意義的;意義(或意味)深長的

2. 表示...的[+of]

Smiles are **significant** of pleasure.

微笑表示愉快。

3. 重要的,重大的;值得注意的

This is one of the most **significant** studies of the subject.

這是對該課題最重要的研究之一。

4. 顯著的;有效的;非偶然的

*linguistic [lɪŋˈɡwɪstɪk] a. (形容詞 adjective)

1. 語言的;語言學的

*diverse [daɪˈvɜːs] a. (形容詞 adjective)

1. 不同的,互異的

John and his brother have **diverse** interests.

約翰和他兄弟的興趣迥然不同。

2. 多種多樣的;多變化的

The program deals with subjects as **diverse** as pop music and ancient Greek drama.

這檔節目涉及包括流行音樂、古希臘戲劇在內的各種題材。

◎An **expert system** is [software](#) that attempts to reproduce the performance of one or more human [experts](#), most commonly in a specific [problem domain](#), and is a traditional application and/or subfield of [artificial intelligence](#). A wide variety of methods can be used to simulate the performance of the expert however common to most or all are 1) the creation of a so-called "[knowledgebase](#)" which uses some [knowledge representation](#) formalism to capture the [Subject Matter Experts](#) (SME) knowledge and 2) a process of gathering that knowledge from the SME and codifying it according to the formalism, which is called [knowledge engineering](#).