

Academic English

a formal style for academic purposes

Seminar 4th March, 2003

Ideas behind the seminar:

- Keep to prescriptively correct Academic English
- Avoid Czenglish

prescriptively correct Academic English

- The phrase "prescriptively correct" means that other possibilities might be acceptable in informal writing or speech, but the **prescriptively correct option** would be most recommended for formal, academic writing.

national deviations

- The **results obtained** are modelled by a simple equilibrium model... **Kluwer**
- The **obtained results** are presented in Table 4 **fr**
- The **obtained results** are shown in... **jp**
- In Figure 3 the **obtained results** are depicted..**nl**.
- The **obtained results** are the coordinates...**hu**
- The **obtained results** are widely cited..**ru**
- The **obtained results** are suitable for..**dk**

- **Introduction**
 - purpose of the seminar
- **Nouns**
 - U or C
 - articles
 - gender
- **Relative pronouns**
 - restrictive, non-restrictive
 - some relative phrases
- **Infinitive phrases**
- **Frequently used verbs**
- **Prepositions**

classification of nouns

- classification of nouns: U - C
- articles - one type of noun determiners
- Determiners are those little words that precede and modify nouns

Uncountable nouns - U

information

behavior

intelligence

recognition

correlation

progress

news

evidence

money

traffic

mathematics, athletics

furniture

bronchitis

milk, coffee, tea

petrol, silicon

steam

**One noun can be uncountable or countable
depending on its context**

U or C

- computational details of **partial correlation**
- **Correlation** and **regression** (Title)
- The main result of **a correlation** is called the **correlation** coefficient
- This applet shows various **correlations**.

The absence of an article and the use of the with **uncountable** nouns

a general statement no article

how agents deal with **time** and **change**

a subsequent reference the

the time spent in Manchester pubs

uncountable nouns have no plural forms

The use of articles with singular **countable** nouns

a general statement a, an

a 17- digit percentage

mentioned before the

and **the** percentage

a subsequent reference the

the overall percentage which you achieved

a generic usage the, a,an

the/a percentage can be defined as....

The absence of an article and the use of the with plural countable nouns

a general statement no article

the development of **computers**

a subsequent reference the

the computers used in

a generic usage no article

third generation **computers** are ...

time U or C

how agents deal with **time** and change outside and within themselves..

one wishes to find **the time** to read ...

where $\tau(x)$ is **the time** of x

British Summer **Time**

one instruction **at a time** --

It is **a time** when natural resources are limited

by the time this report **appears, has been completed**

for **the time** being

all the time in real **time**

in ancient **times** , for **old times**‘ sake

data

- **this data is** held at the UCI
- **the data** with high dimension **is** compressed
- to monitor and exploit **these data**
- on Machine Readable Dictionaries (MRD): **data are** extracted from texts

An engineer or scientist used to writing "the data is" may well find that the editors of a journal or publishing house insist on changing this phrase to "the data are."

unity U or C

- a growing awareness of theoretical **unity**
- a person as **a** multilevel psychosomatic **unity**
- When the power factor of the load is **unity**, active power equals...
- If $Z \neq 0$ is **unity**, then all ...
- **Unity** and Diversity
- **the unity** of

length - U or C

- problems about the measurement of **length**
- units of **length**
- **the length** of each paper
- limited to **a** maximum **length** of 6 pages
- robots which survive for a given **length of** time
- ternary circular square-free words **of length n**
- 5 double-spaced pages or less **in length**.

adverbial phrase

Letters and characters U or C

- a "kw," or "gw" sequence of sounds in which **the "w"** is consistently dropped
- if at least one of **the B's** is not among **the A's**;
- **V** is a vector space and **W** is a subspace of **V**
- **V** and **U** are only varieties of the same character, **U** being the cursive form, while **V** is better adapted for engraving..
- everywhere on the loop **the B** is tangent to the loop
- here are some words that start with **V** ... **V** is for
Vacation ...

Quiz 1

___ fundamental problem in ___ Computer Science is ___ understanding ___ nature of ___ learning and adaptation, and its application to ___ development of ___ computers with ___ precognitive and cognitive capabilities, and with ___ capability of drawing good conclusions from ___ incorrect or incomplete data.

Quiz 1- answers

A fundamental problem in Computer Science is understanding **the** nature of learning and adaptation, and its application to **the** development of computers with precognitive and cognitive capabilities, and with **the** capability of drawing good conclusions from incorrect or incomplete data.

Gender

Third person singular pronouns change form to indicate gender (*he, she*).

- A) an actress, a heroin, a lady teacher, an alumna
- B) a user, an expert, a researcher, etc

* * *

- An editor has guidelines on which to base **his** revisions

Better:

- **Editors** have guidelines on which to base **their** revisions.

-

to continue

Gender 2

- The listener may not perceive the sound because **his** ear has a critical summation time of 1 sec.

Better:

- The listener may not fully perceive the sound because **the human ear** has a critical summation time of 1 sec.

Mostly in administrative or legal documents:

- Advise the applicant that **he/she** has a right to...
- the **user** agrees that **he/she** is using the service at **his/her** own risk.

Relative pronouns - restrictive

- undergraduates **who** apply for admission....
- the parts of the source file **which** are not matched in this way...
- an echo **whose** amplitude is above the background level...
- artificial intelligence models **that** simulate these dynamics. ...
- to create a location **in which** students can experiment
- the objective is to design a shape **which** best satisfies...

Relative pronouns - non-restrictive

- Eric Horvitz, **who** was a leading ..., ..
- Mary - niece of Sir George Everest, **after whom** the mountain was named,...
- Warner Bros, **with whom** he has an agreement, have ..
- the aerodynamic codes of Hess and Smith, **which** were originally developed for non-lifting surfaces, are now...

relative pronouns

restrictive

no comma

persons

things

who

which

whose

of which

to whom

whose

(that)

to which

that

non-restrictive

clause in commas

persons

things

who

which

whose

of which

to whom

whose

to which

No preposition with ,that‘

‘ which’ relating to a whole sentence

danger of broad reference

Science and technology are male-dominated, **which** excludes women from practice and ...

Election promises are rarely carried out in full by elected governments, **which** has several reasons.:

Better: Election promises are rarely carried out in full by elected governments. **This is for several reasons:**

He foresaw aircraft applications and thus emphasized rectilinear motions, **which** causes complicated equations..

Better: He foresaw aircraft applications and thus emphasized rectilinear motion. **This emphasis** causes...

what = that which

- Feel free to let us know **what** you find good ..
- **What** results is a kind of light-field reconstruction of the captured scene.
- a short section **that** indicates **what** is the purpose of ...
- The symbol tells you **what** may be ironed and **at what** temperature
- They have been absolutely amazed **by what** we have achieved.

noun + what, how

- a decision what to do → a decision **of what** to do
- options how to modify the query → options **of how** to modify the query
- the way how it could be done → the way **in which** it could be done
- several approaches how to solve... → several approaches **of how** to solve ...

Relative ‘where’, ‘when’ → in which (or other prepositions)

- a sequence where the components will be determined → a sequence **in which** the components
- the cases when the conditional probability $p(x_{k,z})$is biased...→ the cases **in which**....

OK : An arbitrary point $x \in X$, **where** X is the convex hull of

infinitive phrases 1

(to assume)

- We assume **that there is** an information vector for...
- We assume **the presence** of an information vector for...

infinitive phrase :

- We assume **the agent to start** out with no apriori plan
- **The function is assumed to be** symmetric ...

infinitive phrases 2

- Variations in meaning **seem to change** in step with variations in sound-structure
- Sentient computer artificial intelligence **would appear to be** the next evolutionary step.

passive :

- The lecturer **will be expected to teach** aspects of discrete mathematics
- The function **is assumed to be** symmetric ...

allow - umožnit, dovolit

- Napster hack **allows** free distribution of software
- This principle **allows you/us** to control generalization ability/ generalizability and ...
- This key **allows local files** to be executed.

The object with the verb ‘allow’ is essential and **must not be omitted**

enable

- Workshop on Using AI to **Enable** Knowledge Management.
- A program that **enables a computer to pass** the Turing test.
- This degree **enables you to** study Artificial Intelligence .
- **GUI-enabled** knowledge-based software
- a **Java-enabled** browser
- **Internet-enabled** databases

make possible

- AI programs **make possible** the recognition of partial images
- qualitative models that **make possible** 'common-sense' inferences
- a direct link between theory and application is **made possible** by ...
- Advanced structures **make possible** to represent a very useful application, specially designed for hi-end computer systems

use

- **Using** the Internet for
- You have a right **to use** and distribute this file.
- When the phrase "artificial intelligence" **is used**..
- The introduction to the theory, **using** examples and exercises...
- You can **use** either of the two articles.
- This information can **be reused** by the application of case-based reasoning.
- This is further complicated **by the use** of neural networks

apply

- The algorithm **is applied to** an untagged, unstructured corpus of ...
- **Apply** as much force as necessary.
- The objective is **to apply** these principles **to** the synthesis of...
- The theorem **applies** only to fixed-length classes
- **by the application of** statistical techniques
- the **application** deadline

employ

- an electronic database of companies **employing** our graduates
- these systems, usually **employing** heuristic rules..

prepositions

quiz

- **agree** ___ a proposal, ___ a person, ___ a price, ___ principle
- **differ** ___ a thing, ___ size
differ ___ person, ___ a thing
- **argue** ___ a matter, ___ a person, ___ or ___ a proposition
- **compare** ___ to show likeness, ___ (to show differences, sometime similarities)
- **live** ___ an address, ___ a city, ___ a street, ___ parents

prepositions

idiomatic use

- agree **to** a proposal, **with** a person, **on** a form, **in** principle
- differ **from** a thing, **in** size
differ **from** a person, **on, about, over** a thing
- argue **about** a matter, **with** a person, **for** or **against** a proposition
- compare **to** (to show likeness) **with** (to show differences, sometime similarities)
- live **at** an address, **in** a city, **on** a street, **with** parents

compound prepositions

- **according to**
- **along with**
- **apart from**
- **because of**
- **by means of**
- **by virtue of**
- **contrary to**
- **due to**
- **in accordance to**
- **in addition to**
- **in spite of**
- **instead of**
- **on account of**
- **owing to**
- **prior to**
- **thanks to**

during

- the research in Computer Science **during** 2000 is ...
- difficulties that may be encountered **during** the process...
- **during** and just after the Second World War...
- **during** your first year you study a number of core course units

in the course of

- **In the course of** our experimentation, we have identified the ...
- They make extensive use of intelligent systems techniques **in the course of** their business activities
- IMPACS was used **in the course of** a single month in 1984
- representative programmes developed **in the course of** AI research ...

in the case of - in case of

- **In the case of** search trees the nodes are generated faster .. **With search trees (pokud jde o)**
- **In the case of** computing degrees, course accreditation is...

- **In case of** problems... please mail...
- **If some problems occur...**
- **In case of** a bad link, use the publication's search...

together - along with

- I was co-chair (**together with** M. Kifer)...
- implementation techniques **together with** accompanying software...
- simulations of group motion **along with** related phenomena...
- the Poplog system is available, **along with** a great deal of AI teaching material,...
- Candidates with experience in criminal law, **along with** abilities in Artificial Intelligence

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prepositions -expressing cause reason

- We believe that this effect is **due to** nozzle aspect ratio.
- Fewer applicants are admitted to the program, **due to** space limitations.
- two theories, one **due to** Miller and Popper, and the other to Fetzer.

constraint-based approaches to grammar popular
on account of their flexibility

GUIDE was chosen for this purpose **on account of**
its availability

because of, thanks to

- the experiment failed **because of** the presence of helium
- **because of** the greenhouse effect the world's water level....
- **because of** my full-time job I could not...
- **thanks to** my full-time job I was able to...
- this has become possible **thanks to** machine learning
- but it is largely **thanks to** his genius ...
- the database has been created **thanks to** user submissions

prepositions in parallel form

the preposition does not have to be used twice.

- You can wear that outfit **in** summer and (in) winter.
- The students were both attracted (by) and distracted **by** the assignment.
- **but:**
- They were interested **in** and disgusted **by** the film.
- The player could both contribute **to** and learn **from** every game that he played

exact -

- Exact and approximate algorithms
- Exact tuning of every application.
- The result gives an exact NP phase boundary:
- A simple, fast, exact method for partially observable Markov decision processes,
- Calculate the exact score at every node.

exactness, with great exactness

precise

- a very precise syntax
- precise figures
- formulating precise proposals about...
- a more precise definition
- since mathematics is very precise
- ***
- precision, with great precision