Academic Writing that Flows & Resonates

Writing Workshop Graduate and Postdoctoral Studies UBC Writing Week May 12, 2015

Alfredo A. Ferreira UBC Vantage College UBC Language & Literacy Education Department

Overview

- Workshop talk and tasks using pre-selected texts
 - Map of meanings at stake in academic writing
 - 1: Ensuring information is ordered according to given/new information order
 - 2: Balancing preparing the reader vs getting to the point
 - 3: Balancing *explicit and implicit logical* reasoning
- Questions and discussion about the Video Tutorial
- Working with your writing and sample texts from your discipline

It is assumed that workshop participants have completed the online writing tutorial

Part 1/3 https://www.youtube.com/watch?v=ETbCf8SvHW8

Part 2/3 https://www.youtube.com/watch?v=77RFqX8h6jE

Part 3/3 https://www.youtube.com/watch?v=-kyhdmuOOnY

Writing Academically:

Improving Tone and Flow by Packing and Unpacking Ideas

> Open Educational Resource The University of British Columbia with thanks to UBC Vantage College Prepared by Alfredo A. Ferreira 2014 Copyright: Attribution-NonCommercial-NoDerivatives 4.0 International See http://creativecommons.org

UBC Writing Week 2015 AAFerreira

In the second se

Meanings (functions) What kinds of process, in play in academic Representing participants, and circumstances the World & are involved? Experience writing How are representations logically connected? Abstract & Academic Concrete Organizing a Writing: Writing **Coherent Text** Information Packing What modes are used? How is info pre/reviewed? What is given & new info? Managing What are the roles in the dialogue? Relations How does writer position writer between and readers? Writer & Reader How are claims supported, and how strongly are they made? UBC Writing Week 2015 AAFerreira

3

Σ

EXAMPLE of Connections between functions

The Effects of Climate on Living Things

The term *climate means* average weather pattern of a region over a long period of time.

For example, the climate in northern Canada *is* very cold, with long, harsh winters and short, cool summers.

Climate *affects* the seasonal growth of plants.

For example, bunchgrasses in BC's arid Okanagan region *look* as if they are dead during the hot summer.

In fact, the roots are alive.

The bunchgrasses *begin to grow* again as soon as the soil receives some moisture, usually in the fall or early spring.

Basic Consequential Explanation: 2 Stages

(Martin & Rose, 2008)

Phenomenon Stage

defines or identifies a phenomenon (representation focuses on relations, 'be'; writer positioned as confident knower)

UBC Writing Week 2015 AAFerreira

Levels of Abstraction and Text Organization

The Effects of Climate on Living Things

The term *climate* means average weather pattern of a region over a long period of time.

For example, the climate in northern Canada is very cold, with long, harsh winters and short, cool summers.

Climate affects the seasonal growth of plants.

For example, bunchgrasses in BC's arid Okanagan region look as if they are dead during the hot summer.

In fact, the roots are alive.

The bunchgrasses begin to grow again as soon as the soil receives some moisture, usually in the fall or early spring.

Basic Consequential Explanation: 2 Stages

(Martin & Rose, 2008)

Phenomenon Stage

defines or identifies a phenomenon (representation focuses on relations, 'be'; writer positioned as confident knower)

- Topic sentence/*main claim*
- concrete example showing it's easy to mis-identify the effect of climate on plants
- clarification: appeal to fact
- detailed illustration of effects or consequences of climate

Explanation

Stage explains the consequences of the phenomenon (focus on 'do' & 'cause'; negotiated claims)

Given/New Information Order: FLOW						
ASK 1: What is wrong with this version of	the climate text?					
erhaps you agree that the individual senten entences do not flow well together. Why?	ces are OK, but somehow the					
Climate	affects the seasonal growth of plants.					
For example, looking as if they are dea during the hot summer in BC's arid Okanagan region	ad are bunchgrasses.					
In fact, what is alive	are the roots.					
	are the bunchgrasses.					

	Climate	affects the seasonal growth of plants.					
X	For example, looking as if they are summer in BC's arid Okanagan re	are bunchgrasses.					
	In fact, what is alive	are the roots.					
	What begins to grow again as soo some moisture, usually in the fall	are the bunchgrasses.					
		Task 1 ANSWER:					
	Given (known) information	New information	New information (begins with main verb)				
	Climate	affects the seasonal gr	rowth of <u>plants</u> .				
	1						
	For example, bunchgrasses in BC's arid Okanagan region	look as if they are dead	during the hot summer.				
	A-						
	In fact, the roots	are alive.					
	The bunchgrasses	begin to grow again as soon as the soil receives some moisture, usually in the fall or early spring. UBC Writing Week 2015 'AAFerreira					

Constant Theme

World of our senses 1

Our sensory experience of the world is complex, rich, detailed and immediate.

Most sensory experience through all five of our senses, appears to be effortless except under the most extreme conditions.

It is continuous and generally coherent during our waking lives, no matter what they are.

Experience of the material world is however, personal and individual;

it becomes the person's own.

Explanation

This is Pattern 1 where each sentence Theme develops given information from the previous Theme. This progression of an idea through all Themes shows the paragraph's focus.

Linear Theme

World of our senses 2

Our experience of the material world is immediate, rich, detailed and <u>complex</u>.

This complexity is partly due to the information received through our different senses.

All five senses- sight, hearing, smell, touch and taste- work continuously and coherently in any individual's waking life.

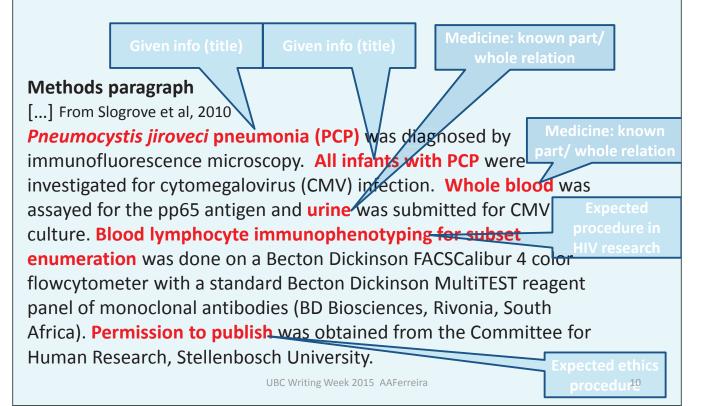
This personalising of all sensory experience is what makes the outside material world our own.

Explanation

In Pattern 2 each Theme develops given information in a part of the previous New. This progression, New to Theme, builds up to the main point of paragraph.

Reference: http://learningcentre.usyd.edu.au/clearer_writing/

Given/New Information Order, Technical Discourse, and Readers



		TTOT A
		TEXT A
	Given information	New information
	¹ William James (1842 – 1910), often regar	ded once described psychology as a "nasty little subject".
	as the founder of American psychology,	
	² As James	noted,
	³ psychology	is difficult to study,
S	⁴ and simple <i>explanations</i>	are few and far between.
ces	⁵ If <i>you</i>	enrolled in this course expecting simple answers to psychological
		questions, like why we become angry and fall in love,
	⁶ you	may be disappointed.
e U	⁷ But if <i>you</i>	enrolled in the hopes of acquiring more insight into hows and
		whys of human behaviour,
t f	⁸ [you]	stay tuned,
	[°] because a <i>host of delightful surprises</i>	are in store.
O D	¹⁰ When [you]	reading this psychology textbook,
	¹¹ [you]	prepare to find many of your preconceptions about psychology
		challenged.
Handout FASK: explain differen		ТЕХТ В
	Theme	Rheme
Т X	¹ American <i>psychology</i>	was founded, according to experts, by William James (1842 –
Ψ		1910).
	² Psychology , to James,	was a "nasty little subject".
\mathbf{x}	³ In his view, <i>psychology</i> ,	is difficult to study
T	⁴ and <i>it</i>	offers few simple explanations.
4	⁵ This area of study	does not offer the simple answers that many new university
		students expect, answers to psychological questions like why we
		become angry and fall in love.
	⁶ In contrast, <i>psychology</i>	does provide psychology students delightful insights into hows
		and whys of human behaviour.
	⁷ When [you]	reading this psychology textbook,
	^s [you] UBC Writing Week	2015 prepare to find many of your preconceptions about psychology challenged.

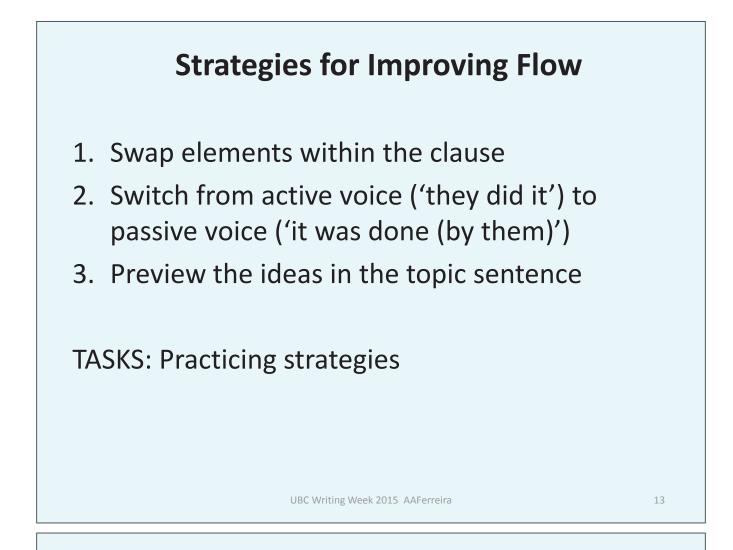
Noticing and Fixing Problems with Flow

When you edit your writing, you may find that some sentences in the paragraphs don't flow easily. The paragraph may sound disjointed when read.

In this case, check if the initial part in the sentences have been given in a previous part of the text – especially in the News parts.

If there is information that is New to the reader at the start, this may well be the source of the disruption in flow.

Strategy: Move information around in your sentences so that they maintain the structure of Known or Given Information in the subject position and New information in the remainder of the sentence.



Strategies for Improving Flow

1. Swap elements within the clause

TASK: Practice strategy #1: Improve the poor flow in the following clause. Why? because the text has been discussing 'Lenin's contributions':

The Bolshevik Revolution of October 1917 would have been very different without Lenin's contributions.

PACKING and UNPACKING IDEAS							
What is the key difference between sentences 3 and 4 in terms of Given and New information							
order? 3 is in the Passive Voice; 4 is in the Active Voice							
Compare Sentence 3 Sentence 4							
Giv	en/N	New:	Presumes the reader	wants to know	Presumes the reader wants to		
(an	d Lo	gic) ä	about causes/factors	of plant growth: ⁻	The know about the effects of climate:		
		(effect is treated as Given the second s	ven information a	and The cause is treated as Given		
		1	the cause is treated as	New information.			
					information.		
_		1					
				Sentence	e/Clause		
			Given		New		
			noun group	verb	noun group		
	3	How b	ounchgrasses grow	is affected by	seasonal changes in moisture.		
	4	Climat	te 🗸	affects	the seasonal growth of plants.		
N		-					
III		ndivi	nın mır	ng Wreek 2015 A	AAFerre S 15		

Strategies for Improving Flow

2. Switch from active voice ('they did it') to passive voice ('it was done (by them)')

TASK: Practice strategy #2: Improve the poor flow in the following clause. Why? because the text has been discussing 'early infrastructure development':

Convicts built may new bridges, tollgates and miles of new roads throughout colonial Australia.

Strategy #3 for Improving Flow: Preview information

Climate affects the seasonal growth of plants.

For example, bunchgrasses in BC's arid Okanagan region look as if they are dead during the hot summer.

In fact, the roots are alive.

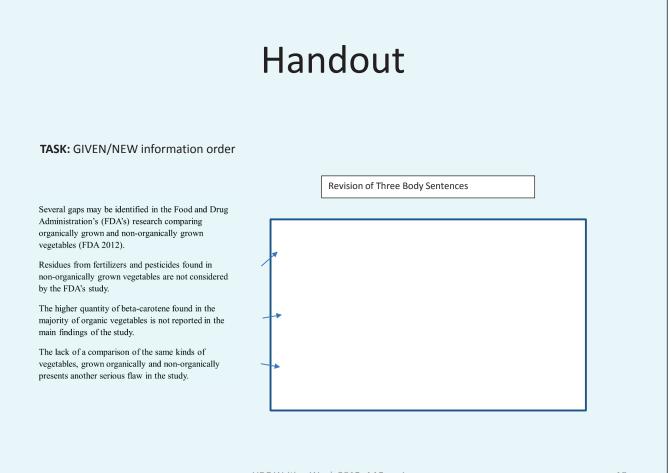
The bunchgrasses begin to grow again as soon as the soil receives some moisture, usually in the fall or early spring.

Topic sentence/*main claim*

- concrete example showing it's easy to mis-identify the effect of climate on plants
 - clarification: appeal to fact
- detailed illustration of effects or consequences of climate
- Explanation Stage explains the consequences of the phenomenon (focus on 'do' & 'cause')

NEXT: TASK to practice strategies for improving flow

UBC Writing Week 2015 AAFerreira



Several gaps may be identified in the Food and Drug Administration's (FDA's) research comparing organically grown and non-organically grown vegetables (FDA 2012).

Residues from fertilizers and pesticides found in non-organically grown vegetables are not considered by the FDA's study.

The higher quantity of beta-carotene found in the majority of organic vegetables is not reported in the main findings of the study.

The lack of a comparison of the same kinds of vegetables, grown organically and non-organically presents another serious flaw in the study.

UBC Writing Week 2015 AAFerreira

-.

-.

19

Improved

Several gaps are identified in the Food and Drug Administration's (FDA's) research (FDA, 2014) comparing organically-grown and nonorganically grown vegetables.

We note that the study does not consider residues from fertilizers and pesticides in non-organically grown vegetables.

Another issue is that the higher quantity of beta-carotene found in organic vegetables is not reported in the main findings of the study.

The most serious problem is that the study compared different varieties of vegetables, leading us to question the design of the study

Extension: Further improved?

Several gaps are identified in the Food and Drug Administration's (FDA's) research (FDA, 2014) comparing organically-grown and nonorganically grown vegetables.

First, we note that the study does not consider residues from fertilizers and pesticides in non-organically grown vegetables.

Then, another issue is that the higher quantity of beta-carotene found in organic vegetables is not reported in the main findings of the study.

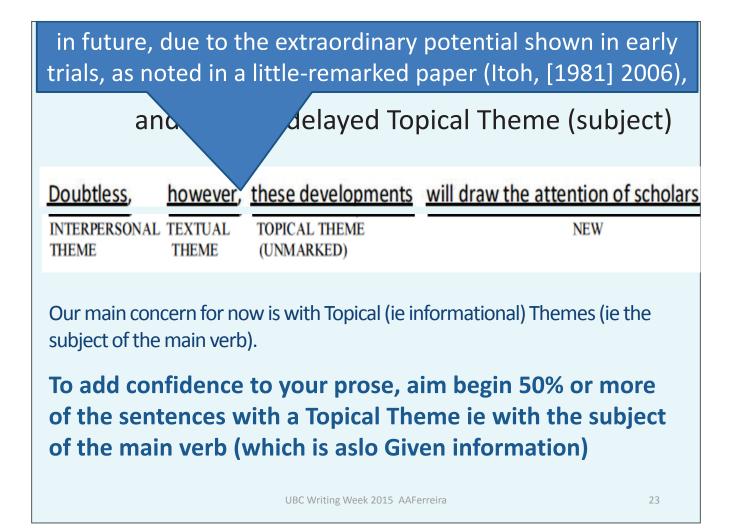
Finally, the most serious problem is that the study compared different varieties of vegetables, leading us to question the design of the study

Reviewing: Distilling relevant information

Which of the three sentences (A, B, or C) would work best as a closing sentence for the above paragraph?

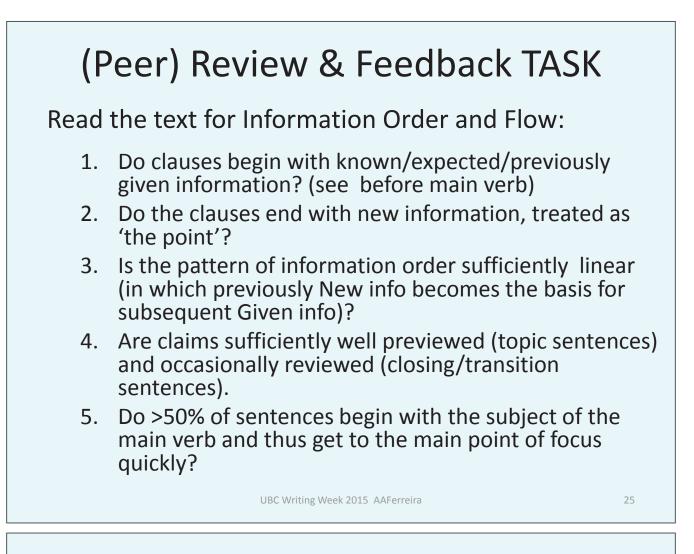
- A. It is clear that some problems identified with the study are more serious than others.
- B. This review of the FDA study therefore recommends that readers use caution in interpreting its findings.
- C. Caution in interpreting the findings of the FDA study is therefore recommended to readers.

21



Note: Subjects/theme vary in scope and length

no	un phrase: subject of 1 st clause	verb	adverb phrase / circumstance	conjunction	noun phrase subject	verb	noun phrase object
1.	The children	are growing	well	because	they	have received	medical treatment.
2.	Children's growth rate	benefits	from medical treatment.				
3.	The benefits of medical treatment to children's growth rate				in clauses &	e for making me sentences that i grammatical po	is freed up



TOPICS in ACADEMIC WRITING (2)

Information packing

Is there an appropriate balance of concrete and abstract expression in your writing?

Is abstract expression used to

- PREVIEW ideas such as in topic sentences
- REVIEW information in closing and transition sentences
- And for summary, and paraphrasing of citations?
- Introduce technical and abstract terms?
- Compress processes or logical reasoning (but so and) that are already understood?

Is concrete expression used to unpack, clarify etc details?

What is the level of Intricacy of Reasoning (aka grammatical intricacy)?

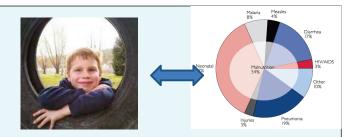
On average: What is the ratio of clauses to sentences in your writing and the writing in your discipline? Generally, across all sentences, a ratio of 1.4 - 2.2 clauses per sentences ensures a good balance of explicit and implicit reasoning.

How well-balanced are the noun groups?

If your grammatical intricacy and choices of Theme, Given & New are fine and your writing is still not saying what you mean (and you have an idea of what you mean), then there's a good chance that the problems are in the way your form noun groups.

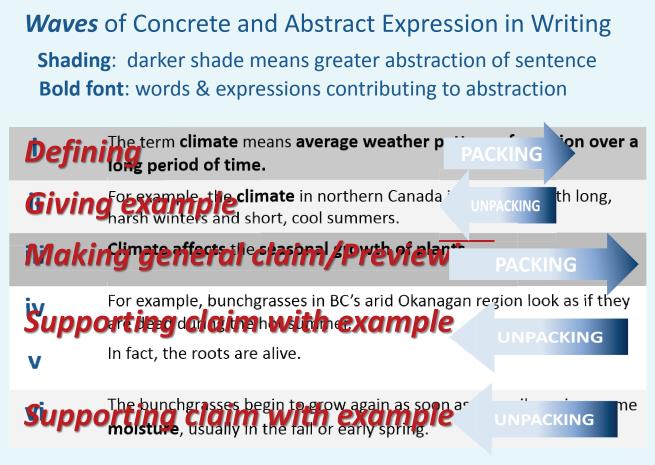
Malaria 8% Shifting registers using "Grammatical Un/Packing" **GRAMMATICAL CATEGORIES** sentence 2nd clause 1st clause noun phrase noun phrase adverb phrase noun phrase: subject of 1st clause verb / circumstance conjunction subject object verb speech The children well they medical 1. are growing because have received treatment. writing science UBC Writing Week 2015 AAFerreira 27

Shifting registers using "Grammatical Un/Packing"

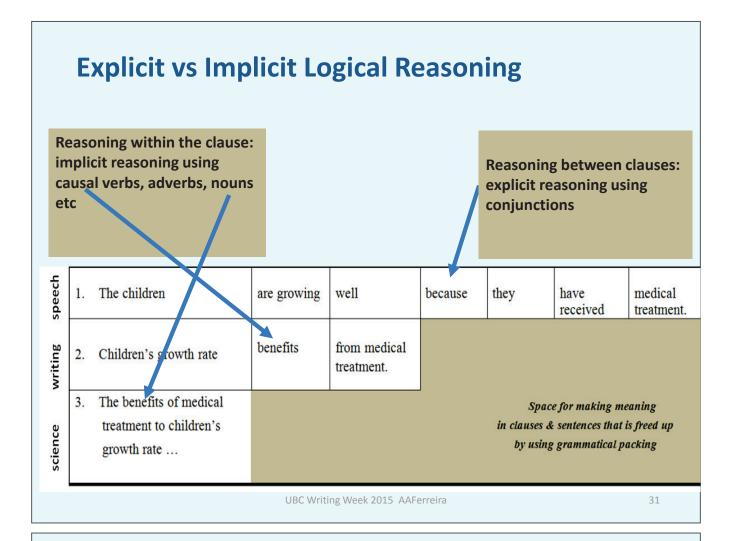


	GRAMMATICAL CATEGORIES sentence								
	1 st clau	ise		2 nd clause					
	noun phrase: subject of 1 st clause	verb	adverb phrase verb / circumstance		noun phrase subject verb		noun phrase object		
speech	1. The children	are growing	well	because	they	have received	medical treatment.		
writing	2. Children's growth rate	benefits	from medical treatment.						
science									
	UBC Writing Week 2015 AAFerreira 28								

Waves of Concrete and Abstract Expression in Writing Shading: darker shade means greater abstraction of sentence Bold font: words & expressions contributing to abstraction							
i	The term climate means average weather pattern of a region over a long period of time.						
ii	For example, the climate in northern Canada is very cold, with long, harsh winters and short, cool summers.						
iii	Climate affects the seasonal growth of plants.						
iv	For example, bunchgrasses in BC's arid Okanagan region look as if they are dead during the hot summer.						
v	In fact, the roots are alive.						
vi	Vi The bunchgrasses begin to grow again as soon as the soil receives some moisture , usually in the fall or early spring.						
	UBC Writing Week 2015 AAFerreira 25						



UBC Writing Week 2015 AAFerreira



HANDOUT

Read about how to identify clauses in English

This is necessary to understand and practice variation in the intricacy of reasoning (associated with the variation between speech-like and writing-like language use)

TASK: Practice Analysis Analyze for Intricacy of reasoning Aim for 1.4 – 2.2 clauses per sentence

Lower IR risks making logical relations hard to identify & track Higher IR risks making logical reasoning tedious; foregrounds writer's intervention in the flow of ideas

Calculate intricacy of reasoning

But considering the Japanese experience, this interpretation of the liquidity trap is counter-intuitive. So what is wrong with the Friedman rule? In fact, in this analysis, we assume that prices are perfectly flexible, so food in restaurants and haircut services have their prices changes only infrequently, which means that people will care about changes in prices because it influences what firms decide in terms of demand and production. In this case, monetary policy has a stabilizing role, because it adjusts the level of interest rate. But as I explained before, ZLB creates a lot of trouble for the central bank as it tries to carry this stabilizing role through monetary policy.

This interpretation of the liquidity trap is counter-intuitive in view of the Japanese experience, highlighting the shortcomings of the Friedman rule. Under the assumption of perfectly flexible prices, with infrequent price changes in services such as hospitality and hairdressing. consumer concern about price change influences both demand and production decisions of firms. In this case, however, as noted above, the stabilizing role of central bank monetary policy through interest rate adjustment is seriously hampered by ZLB.

 Sentences:
 Clauses:
 Sentences:
 Clauses:

 UBC Writing Week 2015 AAFerreira
 33

KEY: Boundary between clauses: / Boundary between sentences: //

But considering the Japanese experience this interpretation of the liquidity trap is counter-intuitive///So what is wrong with the Friedman rule:///in fact, in this analysis, we assume that prices are perfectly flexible, so food in restaurants and haircut services have their prices changes only infrequently, which means that people will care about changes in prices/because it influences what firms decide in terms of demand and production//In this case, monetary policy has a stabilizing role because it adjusts the level of interest rate // But as I explained before ZLB creates a lot of trouble for the central bank as it tries to carry this stabilizing role through monetary policy///

This interpretation of the liquidity trap is counter-intuitive in view of the Japanese experience highlighting the shortcomings of the Friedman rule ///Under the assumption of perfectly flexible prices, with infrequent price changes in services such as hospitality and hairdressing. consumer concern about price change influences both demand and production decisions of firms///n this case, however, as noted above the stabilizing role of central bank monetary policy through interest rate adjustment is seriously hampered by ZLB///

Sentences: 5 Clauses: 11

11/5 = 2.2 IR:2.2 At the upper range of appropriate intricacy Sentences: 3

Clauses: 5

5/3 = 1.6 IR: 1.6 In the range of appropriate intricacy

UBC Writing Week 2015 AAFerreira

(Peer) Review and Analysis of Writing

Analyze writing for Intricacy of reasoning Aim for 1.4 – 2.2 clauses per sentence

Lower IR risks making logical relations hard to identify and track

Higher IR risks making logical reasoning tedious; foregrounds writer's intervention in the flow of ideas

UBC Writing Week 2015 AAFerreira

35

Strategies for

Reducing Intricacy of Reasoning

See Video Tutorial

- Reducing the # of clauses
- Using clause-internal reasoning
- Expanding the role of noun goups

Reducing # of clauses by changing two or more clauses into one clause plus circumstantial information

Eg the shift shown in the table above "....because they received medical treatment" => "from medical treatment"

TABLE 1 Linki	ng Words and Phras	es			Туре		wh-item	examples of realization
	ing words and I mus	65			1 Extent	distance	how far?	for; throughout 'measured'; nominal group
		Sentence	Phrase			duration	how long?	for; throughout 'measured'; nominal group
	Subordinators	Connectors	Linkers			frequency	how many times?	'measured' nominal group
Addition Adversative		furthermore in addition moreover however	in addition to		2 Location	place	where? [there, here]	at, in, on, by, near; to, towards, into, onto, (away from, out of, off-bend, in front of, above, below under, alongside adverb of place: abroad, overseas, home, upstail downstairs, inside abroad, overseas, home, upstail downstairs, insider,; there, here
Adversative	although even though despite the fact that	nevertheless	despite in spite of			time	when? [then, now]	at, in, on; to, until, till, towards, into, from, since, during, before, after adverb of time: today, yesterday, tomorrow; now, then
Cause and Effect	because	therefore as a result	because of due to		3 Manner	means	how? [thus]	by, through, with, by means of, out of)+ materia from
Ellect	since	consequently hence thus*	as a result of	=>		quality	how? [thus]	in + a + quality (e.g. dignified) + manner/way, with + abstraction (e.g. dignity); according to adverbs in -ly, -wise; fast, well; together, jointly, separately, respectively
Clarification		in other words that is				comparison	how? what like?	like, unlike; in + the manner of adverbs of comparison differently
Contrast	while whereas	i.e. in contrast however	unlike			degree	how much?	to + a high/low/ degree/extent; adverbs of degree much, greatly, considerably, deeply [often collocationally linked to lexical ver e.g, love + deeply, understand + completely]
		on the other hand			4 Cause	reason	why?	because of, as a result of, thanks to, due to, for want of, for, of, out of, through
Illustration		conversely for example				purpose	why? what for?	for, for the purpose of, for the sake of, in the hol of
		for instance				behalf	who for?	for, for the sake of, in favour of, against ['not in favour of'], on behalf of
Intensification		on the contrary as a matter of			5 Contingency	condition	why?	in case of, in the event of
		fact				default		in default of, in the absence of, short of, without ['if it had not been for']
		in fact				concession		despite, in spite of

Expanding Noun Groups

Expanding noun groups is a good way to reduce Intricacy of Reasoning because many logical relations (that may otherwise connect two clauses with conjunctions) can be realized within the noun group, especially in the head noun and post-modification

	Noun Group							
	premodification	head noun	postmodification					
1 Bottom- heavy	The	effects	of climate on the seasonal growth of plants that are unpredicted and long-term					
2 Balanced	The unpredicted, long-term	effects	of climate on the seasonal growth of plants					
3 Top- heavy	The unpredicted, long-term, climatic	effects	on the seasonal growth of plants					

Works Cited

- Mason, A., Charleson, K., Grace, E., & Martin, J. (2004). *BC Science 7: Student edition*. Whitby, ON: McGraw-Hill Ryerson.
- Slogrove, A.L. et al (2010), 'Severe infections in HIV-exposed uninfected infants: Clinical evidence of immunodeficiency' *Journal of Tropical Pediatrics*, *56*, 2, 505-508.

Selected References on Systemic Functional Linguistics in Writing

- De Silva, J., & Feez, S. (2012). *Text-based language and literacy education: Programming and methodology.* Putney, NSW: Phoenix Education.
- Halliday, M.A.K. (1998). Things and relations: Regrammaticising experience as technical knowledge. In J.R. Martin & R. Veel (Eds.), *Reading science: Critical and functional perspectives on discourses of sciences* (pp. 185-235). London: Routledge.
- Schleppegrell, M.J. (2004). *The language of schooling*. New York: Routledge.
- Thompson, E., & Droga, L. (2012). *Effective academic writing: An essay-writing workbook for school and university*. Putney, AUS: Phoenix Education.
- Unsworth, L. (Ed). (2000). *Researching language in schools and communities: Functional linguistic perspectives*. London: Continuum.

Online Writing Instruction based in Systemic Functional Linguistics

Clearer Writing (good foundation) University of Sydney: <u>http://learningcentre.usyd.edu.au/clearer_writing/</u> *Report Writing in Science & Engineering*: <u>http://www.usyd.edu.au/learningcentre/wrise/</u>

Good Academic Writing Textbook for Grad Students (adopts some SFL)

https://www.press.umich.edu/2173936/academic writing for graduate students 3rd edition A series of 4 little books, including: https://www.press.umich.edu/309338/telling a research story writing a literature review

