



Inaugural Mediterranean Conference
INTEGRITY as a WAY FORWARD

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Athens
Greece

Reducing plagiarism incidents
in student assignments
by implementing
anonymous multi-mediated writing model


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OUTLINE


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- * Introduction into plagiarism
- * Problem of plagiarism at COMU
- * Solutions to plagiarism problems
 - * Text-matching software
 - * Peer review
 - * Anonymity
 - * Multiple matching
- * Anonymous multi-mediated writing model
- * Conclusion and implications
- * Q & A (regarding theory)
- * Hands-on practice of the model through Turnitin
- * Q & A (regarding practice)



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Introduction

- * Academic writing is complicated (see Matsuda, 2001).
- * **Risk of plagiarism!**
 - * More common in expanding-circle.
 - * Cross-cultural differences with regards to plagiarism (Baurain, 2011).
 - * Cultural influences in writing (Kachru, 2009).
 - * Consider national and institutional attitudes towards plagiarism.
- * Freshmen: inexperienced not only in academic writing (e.g., Park, 2003; Razi, 2015b; Yeo & Chien, 2007) but also in L1 informal writing (Razi, 2015c).



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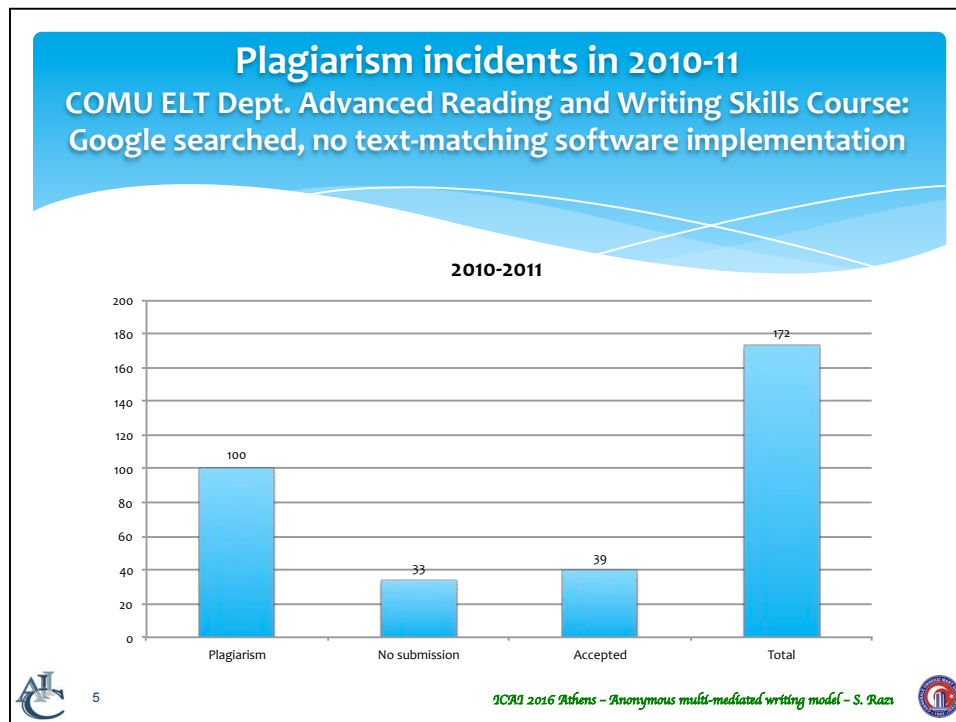
**The case of COMU ELT Dept.
Academic Reading and Writing Skills Course:
Last 6-year stats**



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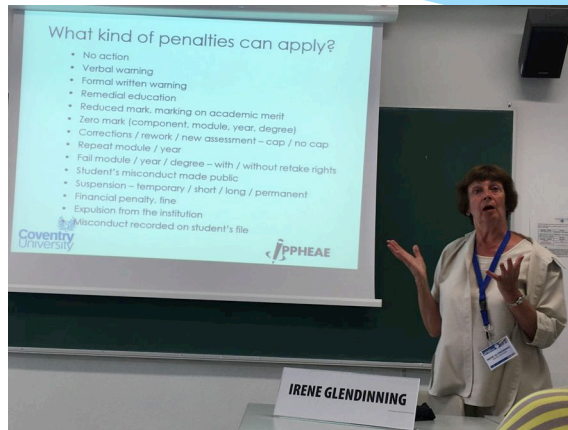


What would you do in this case?

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What would you do in this case? Let's consult an expert



- * Glendinning (2016) highlighted possible alternative penalties/sanctions in her speech yesterday.



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Plagiarism = Crime?



- * Internet technology makes plagiarism a crucial problem:
 - * Specifically for university assignments (Walker, 2010).
- * Students might not feel that cheating on assignments is a serious problem (Brent & Atkinson, 2011).
- * Plagiarism (Howard, 2007):
 - * not necessarily a crime,
 - * benefit as a teaching strategy.
 - * Academic writing: a complex intellectual skill.
 - * Plagiarism: the first vital step in developing academic writing skills.
 - * Howard's 'patchwriting': weak paraphrasing skills.



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What happens to plagiarizers?



- * Consider institutional differences regarding policies.
- * COMU: Possibility of taking make-up exam.
 - * I encourage minor plagiarizers to revise and resubmit for make-up exam,
 - * Discourage major plagiarizers from resubmitting for the make up exam .



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First step in solution



- * Benefit from a text-matching software.
- * Enables easy-detection of expressions that do not originally belong to students.
- * Reasons for using Turnitin as a digital environment:
 - * COMU institutional license.
 - * Superiority in detecting plagiarism (Hill & Page, 2009).

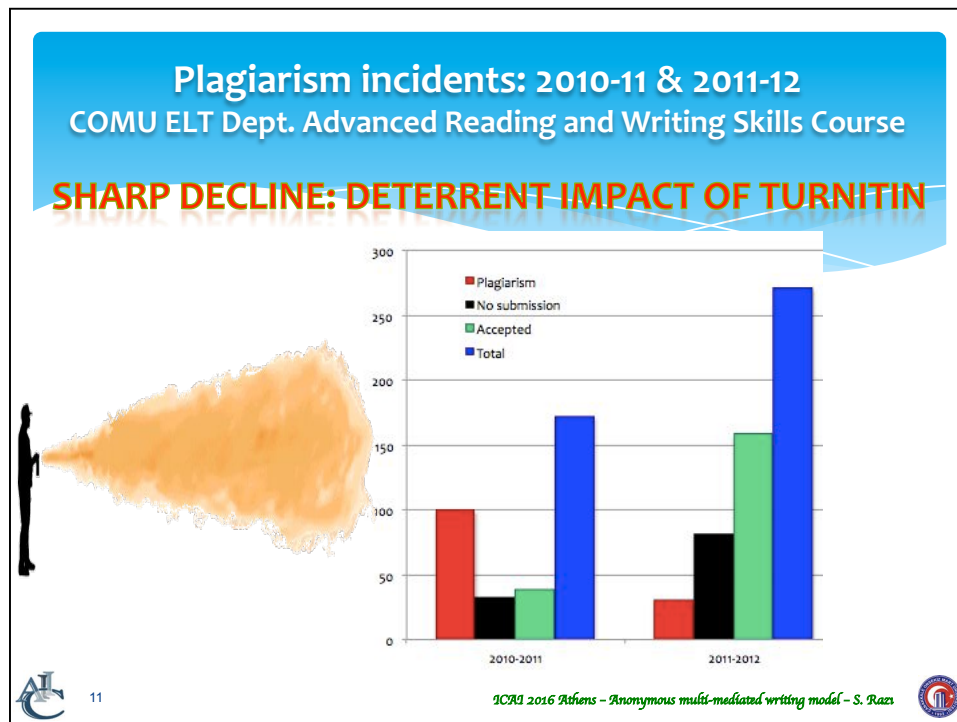
Did it work?



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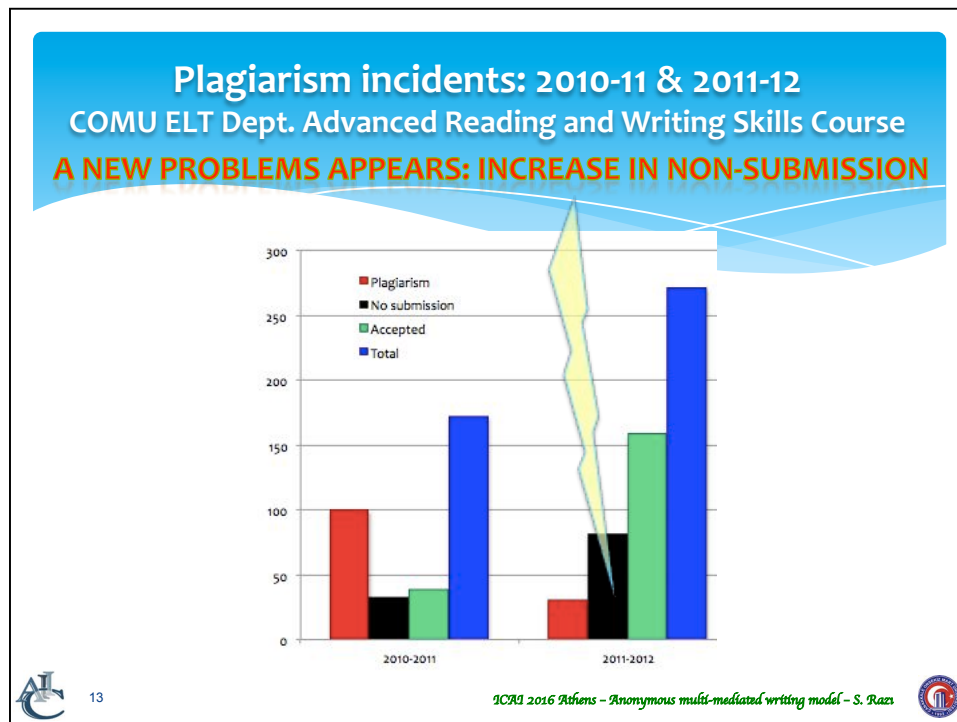


Houston, we have a problem!*

*Credit goes to the crew of the Apollo 13 moon flight.

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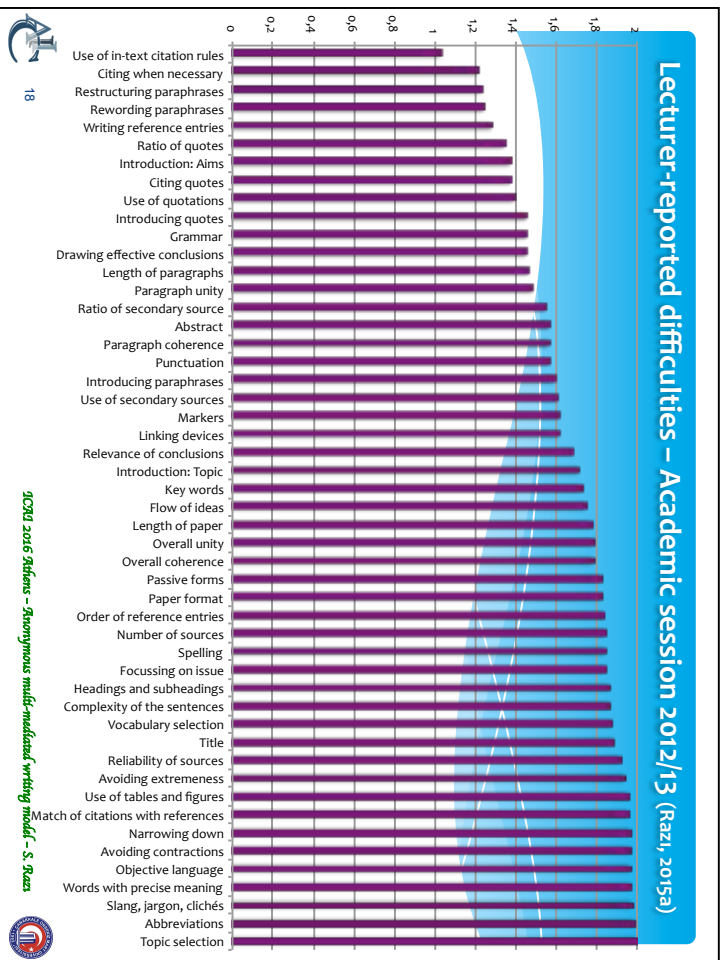
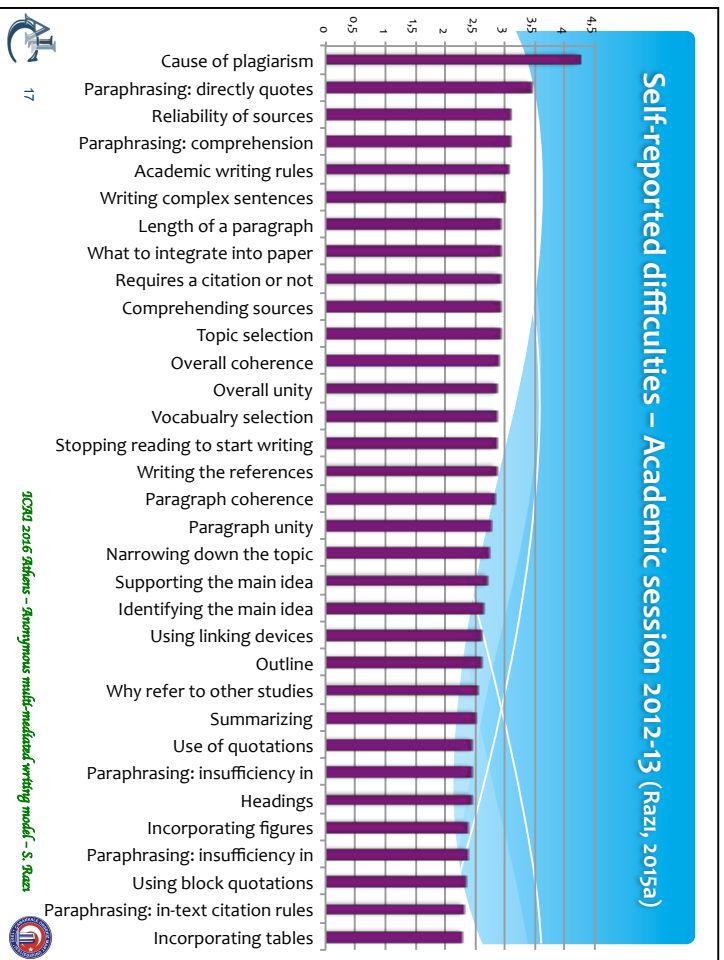


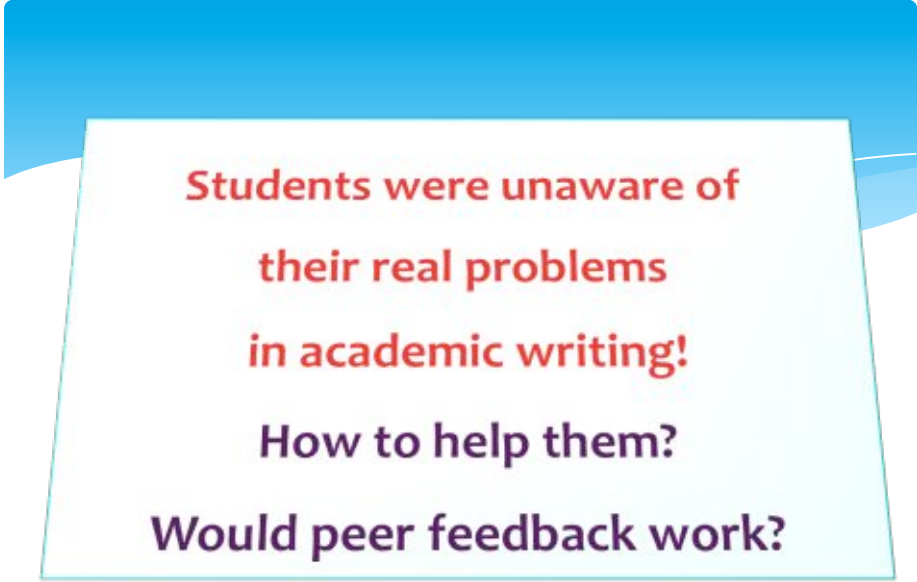
**Development of
 Transparent
 Academic Writing Rubric
 (TAWR)**

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**Students were unaware of
their real problems
in academic writing!**

How to help them?

Would peer feedback work?

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Theoretical background of peer feedback

- * Peers may draw a student author's attention to problematic aspects of a paper that had been overlooked (Ruecker, 2010).
- * Difficult to measure its impact (Kleijn, Mainhard, Meijer, Brekelmans & Pilot, 2013).
- * Receiving help to accomplish a writing task and benefits from the **social constructionist theory of learning** (Hanjani & Li, 2014).
- * **Collaborative writing** also benefits from the interaction between social interaction and feedback (Wigglesworth & Storch, 2012):
 - * Consider principles of **sociocognitive approach**; namely:
 - * inseparability, adaptability, and alignment (Atkinson, 2010; Nishino & Atkinson, 2015).

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Theoretical background of peer feedback (Cont.)

- * **Activity theory** (dates back to Vygotsky, 1978; developed by Leont'ev, 1981; expanded by Engeström, 1987, 1999) deals with the interaction of writing with other concepts such as computers (Yang, 2014).
- * Peers' interaction and collaboration exists in Vygotsky's (1978) **Zone of Proximal Development (ZPD)** as a powerful way of developing skills through the process of **scaffolding** (Weissberg, 2006).
- * If students can manage peer review tasks successfully:
 - * **Noticing hypothesis:** They can turn input into intake (Schmidt, 1990)
 - * This may improve their own writing skills.



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Theoretical background of peer feedback (Cont.)

- * **Sociocultural theory:**
 - * Benefit from communicative activities to enable a socially mediated process (Kayi-Aydar, 2013).
- * **Social / Genre Approach (Tribble, 2015):**
 - * Existence of both expert and novice authors.
 - * Depends on scaffolding.
- * **Process Approach (Wette, 2015):**
 - * Encourages student creativity by thinking (e.g., brainstorming, planning, drafting and revising).



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Advantages of peer feedback

- * Beneficial and improves writing skills (e.g., Hu, 2005; Hu & Lam, 2010; Zhao, 2010, 2014).
- * Benefits both for authors and reviewers (Aghaee & Hansson, 2013).
 - * Greater benefits for reviewers than authors (Lu & Law, 2012; Lundstrom & Baker, 2009).
- * Makes learners more autonomous (Hyland, 2000; Villamil & Guerrero, 1996).
- * Develops higher order thinking skills (Mangelsdorf, 1992).



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Potential problems in peer feedback

- * Reliability is questionable (Aghaee & Hansson, 2013) due to problems of students with limited abilities:
 - * **Problem 1:**
 - * **Misleading** each other due to their own deficiencies and **lack of trust** in peers' feedback (see Berggren, 2015; Nelson & Murphy, 1993; Paulus, 1999; Rinehart & Chen, 2012; Rollinson, 2005; Ruecker, 2010; Saito & Fujita, 2004, Yang, Badger, & Yu, 2006; Zhao, 2014).
 - * **Problem 2:**
 - * Reluctant to criticize friends (Liou & Peng, 2009).



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Anonymity in peer feedback

- * Anonymous peer review provides awareness of academic writing (Robinson, 2002).
- * Better writing performance and more critical feedback in anonymity (Lu & Bol, 2007).
- * Survey: preference of anonymity among university students (Hosack, 2003).

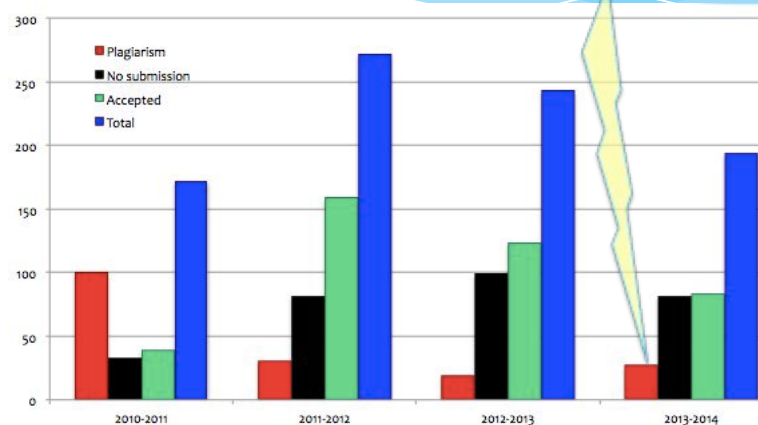


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Plagiarism incidents: Reasons of plagiarism & Anonymous peer review Academic session 2013/14



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Statistics

- * In the case of anonymity students exchange feedback more effectively and this helps them make better suggestions and revisions (see Razi, 2016a, 2016b).

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The effectiveness of peer feedback (Razi, 2016b)

- * Contribution of peer feedback for the development of better academic writing skills.
- * **Strengths:**
 - * Contribution related to use of linking devices, punctuation, grammar, vocabulary choice, spelling, citation rules, punctuation, and paper format.
 - * Limited contribution in terms of unity and coherence.
- * **Weaknesses:**
 - * Useless and careless feedback.
 - * Confusing feedback.
 - * Misleading, resulted in replacing a correct expression with something wrong.
 - * Individual differences.
 - * Insufficient feedback related to flow of ideas and complexity of sentences.

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Student preference of anonymous peer feedback

Razi, 2016b, p. 29

* Some quotes from students':

- * "If I know the student who gave me a low score, I wouldn't be comfortable."
- * "If I know the reviewer or the author, my emotions play a role. I don't want to see her mistakes. I think, it makes me blind."
- * "One of my friends hates a class mate since she criticized her paper. Anonymity saves our social relationships."
- * "When people know our identity, they might review our papers based on their views towards our personality."
- * "It disturbed me when the author saw my name as a reviewer."
- * "If I know the author, I consider whether I love him/her or not; and whether he/she is lazy or not."
- * "Not everyone can control their emotions."
- * **Open peer review:** Felt like giving feedback to a friend, avoid criticizing.
- * **Anonymous peer review:** Felt like a teacher, giving feedback to a student.



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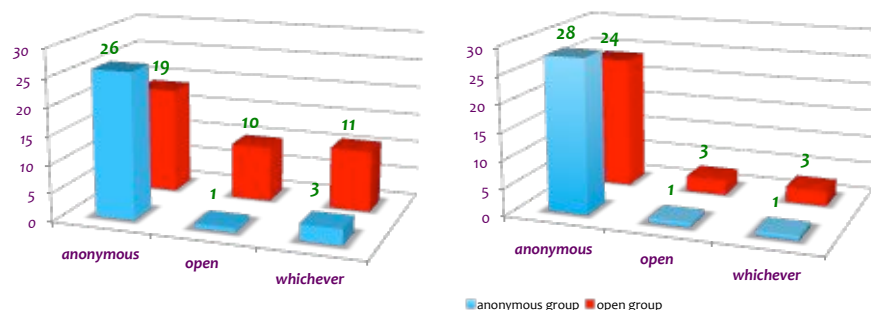
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Comparison of preference over receiving and providing anonymous or open feedback

(Razi, 2016b, p. 21)

Anonymity is more preferable in the case of providing feedback.



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Reasons of plagiarism

(Razi, 2015d)

- * Not knowing how to paraphrase.
- * Not knowing how to cite.
- * Forgetting to use quotation marks.
- * Trying to catch deadline.
- * Boredom.
- * Citing like paraphrases to reduce quotation ratio.
- * Avoidance of paraphrases since it is difficult.
- * Mentioning the author would be enough to copy the sentence.
- * Non-attendance to tutors
- * Avoidance of short paper submission and integration of weak paraphrased expressions.
- * Avoidance of spoiling meaning in restructuring, only minor changes.
- * Submitting a friend's assignment since she told him that she had not submitted it on Turnitin.
- * Submitting the same assignment for two courses.

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TAWR in peer review

- * Fyfe and Vella (2012) encourage using rubrics as a teaching material.
- * Using TAWR in peer review provides assistance in giving feedback by controlling the process.
- * **The problem: Weak students cannot provide effective feedback.**

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Solution: Assigning multiple reviewers

- * **Categorize** students in three groups: 'good', 'moderate', and 'weak'.
- * Each student:
 - * Receives feedback (directive/corrective) from a good, moderate and weak peer.
 - * Consider the **output hypothesis** (Swain, 1998):
 - * Feedback enables '**forming and testing hypothesis**', then comes '**metatalk**', and finally '**noticing**' (see Thwaites, 2014).
 - * Provides feedback to a good, moderate and weak peer.
- * Make them aware of this categorization but not necessarily about the category they are placed.
- * Rationale: Teachers should consider different student groups carefully and give precise instructions about the peer review task (Rollinson, 2005).
- * Asymmetrical vs. symmetrical feedback (Hanjani & Li, 2014)
- * Subsequent applications of ZPD enable both asymmetrical and symmetrical considerations.
 - * **Asymmetrical**: feedback from an expert to a novice learner.
 - * **Symmetrical**: feedback between learners of equal ability.

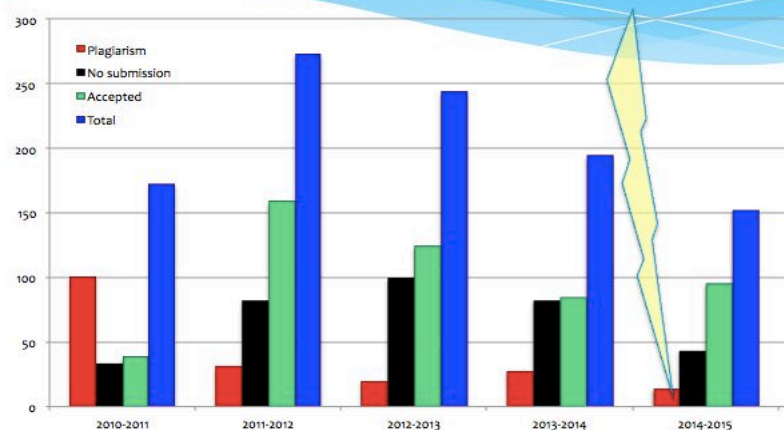


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Plagiarism incidents: Anonymous multi-mediated writing model Academic session 2014/15



DECREASE IN PLAGIARISM AND NON-SUBMISSION



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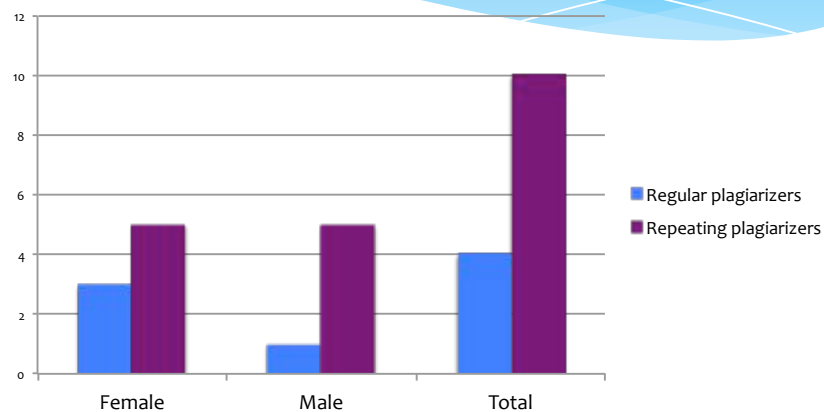
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Regular plagiarizers vs. Repeating plagiarizers

Academic session 2014/15

Consider regular and repeating students' peer review skills



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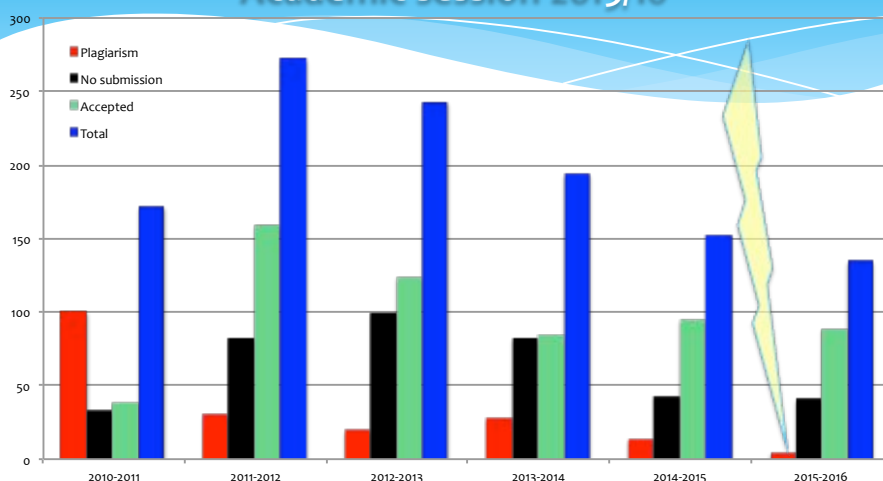
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Plagiarism incidents:

Anonymous Multi-Mediated Writing Model

Academic session 2015/16



ONLY 4 MINOR PLAGIARISM AND 1 MAJOR PLAGIARISM



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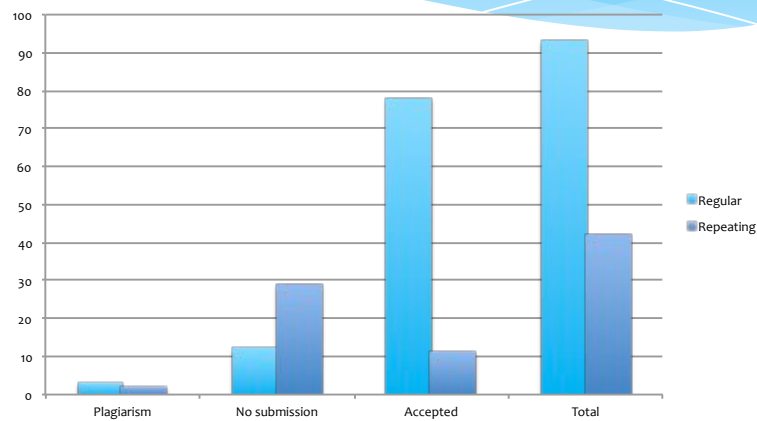
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Regular non-submitters vs. Repeating non-submitters

Academic session 2015/16

Repeating students seem resistant



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**Anonymous multi-mediated
writing model**

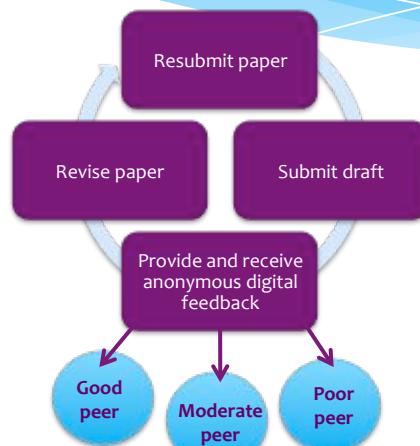


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Suggested feedback exchange in anonymous multi-mediated writing model



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(Razi, 2016b, p. 34)

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Why digital environment?

- * **The superiority of online feedback over traditional modes is not clear (Elwood & Bode, 2014).**
- * Enables timely and more effective feedback.
- * Not confined to physical and time constraints.
- * Accelerates peer review process.
- * Anonymity may not be possible without digital technology.
- * Eliminates social constraint of face-to-face feedback (Ho & Savignon, 2007).
- * Gives the possibility to seek teacher's advice and peer's guidance online simultaneously (DiGiovanni & Nagaswami, 2001).



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Why multiple anonymous peer feedback?

- * **Why peer feedback?**
 - * Students may learn from each other (ZPD – Vygotsky, 1978).
- * **Why anonymous peer feedback?**
 - * Students were reluctant to highlight their friends' errors (Liou & Peng, 2009).
- * **Why multiple peer feedback?**
 - * Students with limited abilities mislead each other.
 - * Lack of trust in peer-feedback (Paulus, 1999; Rinehart & Chen, 2012; Rollinson, 2005; Ruecker, 2010; Saito & Fujita, 2004).
 - * Providing asymmetrical and symmetrical feedback (Hanjani & Li, 2014).



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Suggested Assessment Formula (Razi, 2016a)

- * Extra work might be demotivating, avoid being too demanding:
 - * Appreciate peer review in final grades.
- * **Final score (out of 100) =**
 - * (lecturer score X .60) +
 - * ((100 – (difference between lecturer score and score for peer)) X .40).
 - * [Consider integrating self review score]



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Metacognitive skills

- * Metacognitive knowledge of tasks operates when the nature of a task forces learners to think about how they will manage.
- * For difficult tasks, learners allocate more time, or prepare an outline (Flavell, 1985).
- * Metacognitive experiences occur when careful, conscious monitoring of one's cognitive efforts is required (Abbott, 2006).
- * Welcoming feedback from three peers and being able to revise accordingly, if necessary, is a very essential skill and requires deep analysis.
- * Development of **metacognitive skills** results in **autonomous learner**.
- * Written corrective peer feedback contributes to the development of form-focused cognitive processing:
 - * Results in employment of **metacognitive revising strategies** (Nishino & Atkinson, 2015).
- * Three essential cognitive processes in writing (Ong, 2014):
 - * Planning, transcribing, and reviewing.



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Conclusions and implications

- * Anonymous multi-mediated writing model runs smoothly through Turnitin.
- * Anonymous multi-mediated writing model seems to reduce plagiarism incidents in student assignments as it enables **multiple submissions**.
 - * Drop in plagiarism (1st - 2nd assignments, Ledwith & Rsques, 2008).
 - * Students learn from their mistakes and correct.
- * Familiarize them with peer feedback on a digital platform.
- * Model how to use the rubric to provide peer feedback.
- * Provide awareness on plagiarised expression.



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