

THE JOURNAL  
OF  
HUMANITIES AND NATURAL SCIENCES

No. 154

February 2024

CONTENTS

Articles

Development in lexical and syntactic complexity through  
EAP after five-month study abroad programme .....Jason PIPE··· 3  
Teruaki TSUSHIMA

Assessment of influence of estimated error variance based on multiple observations  
in linear regression.....Hidekazu TAKEUCHI··· 29

Exploring the diversion of discourses about education in remote areas in 1960s: Focusing  
upon the transformation of the discourses in a local magazine, "Iwate no Hoken" ···Kenichi TAKAIRA··· 45

Reading comprehension strategies of university students: An analysis of trends  
before and after class.....Wakana MIYAKE··· 81

The politics of othering in Enlightenment Europe: The redivision of the world and  
the emergence of the racial discourses .....Hyoduk LEE··· 95

Notes

Realigning divergent paths: Facilitating mutual learning between international students'  
collaboration projects in Nepal and Vietnam.....Akinori SEKI···121  
Shreeya DEVKOTA  
Hanh HOANG

Development of a lactate curve test in track running to assess long-distance  
running performance .....Yasuhiro SUZUKI···145

Report of a questionnaire survey on weather disaster prevention of private colleges and  
universities in Japan .....Koji TSUNODA···155

Translation and Annotations

"Zit Haau Waan Wan": A translation to modern Japanese .....Kei TANAKA···173

Annual report

Published by

ASSOCIATION OF HUMANITIES AND  
NATURAL SCIENCES AT TOKYO KEIZAI UNIVERSITY

Kokubunji-shi, Tokyo

東京経済大学

人文自然科学論集

第一五四号

二〇二四年  
二月

人文自然科学

論集

No. 154

2024

■論文

Development in lexical and syntactic complexity through  
EAP after five-month study abroad programme .....ジェイソン・パイプ  
対馬輝昭

線形回帰分析における複数個の観測値についての  
誤差分散の影響評価.....竹内秀一

保健雑誌に見られる1960年代のへき地教育言説の転換  
—地域メディア『岩手の保健』の  
へき地語りの変容に注目して—.....高井良健一

読解授業における大学生のストラテジー使用意識  
—授業前後の使用傾向からの示唆—.....三宅若菜

啓蒙期ヨーロッパにおける他者創出（アザリング）の政治（下）  
—世界の再分割と人種論の顕現—.....李孝徳

■研究ノート

Realigning divergent paths:  
Facilitating mutual learning between international students'  
collaboration projects in Nepal and Vietnam .....関昭典  
シュリヤ・デブコタ  
ハン・ホアン

長距離走パフォーマンスを評価するための  
トラック走での乳酸カーブテストの開発.....鈴木康弘  
私立大学の防災（風水害）に関する取組の実態調査報告.....角田浩司

■翻訳と注解

「節孝還魂」.....田中景

■報告

2022年度学事報告

東京経済大学人文自然科学研究会

# 人文自然科学

# 論 集

## No. 154

## 2024

### ■ 論 文

- Development in lexical and syntactic complexity through  
EAP after five-month study abroad programme .....ジェイソン・パイプ  
対馬輝昭
- 線形回帰分析における複数個の観測値についての  
誤差分散の影響力評価 .....竹内秀一
- 保健雑誌に見られる1960年代のへき地教育言説の転換  
—地域メディア『岩手の保健』の  
へき地語りの変容に注目して— .....高井良健一
- 読解授業における大学生のストラテジー使用意識  
—授業前後の使用傾向からの示唆— .....三宅若菜
- 啓蒙期ヨーロッパにおける他者創出（アザリング）の政治（下）  
—世界の再分割と人種論の顕現— .....李孝徳

### ■ 研究ノート

- Realigning divergent paths:  
Facilitating mutual learning between international students'  
collaboration projects in Nepal and Vietnam .....関昭典  
シュリヤ・デブコタ  
ハン・ホアン
- 長距離走パフォーマンスを評価するための  
トラック走での乳酸カーブテストの開発 .....鈴木康弘
- 私立大学の防災（風水害）に関する取組の実態調査報告 .....角田浩司

### ■ 翻訳と注解

- 「節孝還魂」 .....田中景

### ■ 報 告

- 2022年度学事報告

# THE JOURNAL OF HUMANITIES AND NATURAL SCIENCES

No. 154

February 2024

---

## CONTENTS

### Articles

- Development in lexical and syntactic complexity through  
EAP after five-month study abroad programme ..... Jason PIPE··· 3  
Teruaki TSUSHIMA
- Assessment of influence of estimated error variance based on multiple observations  
in linear regression ..... Hidekazu TAKEUCHI··· 29
- Exploring the diversion of discourses about education in remote areas in 1960s: Focusing  
upon the transformation of the discourses in a local magazine, "Iwate no Hoken" ··· Kenichi TAKAIRA··· 45
- Reading comprehension strategies of university students: An analysis of trends  
before and after class ..... Wakana MIYAKE··· 81
- The politics of othering in Enlightenment Europe: The redivision of the world and  
the emergence of the racial discourses ..... Hyoduk LEE··· 95

### Notes

- Realigning divergent paths: Facilitating mutual learning between international students'  
collaboration projects in Nepal and Vietnam ..... Akinori SEKI··· 121  
Shreeya DEVKOTA  
Hanh HOANG
- Development of a lactate curve test in track running to assess long-distance  
running performance ..... Yasuhiro SUZUKI··· 145
- Report of a questionnaire survey on weather disaster prevention of private colleges and  
universities in Japan ..... Koji TSUNODA··· 155

### Translation and Annotations

- "*Zit Haau Waan Wan*": A translation to modern Japanese ..... Kei TANAKA··· 173

### Annual report

---

Published by

ASSOCIATION OF HUMANITIES AND  
NATURAL SCIENCES AT TOKYO KEIZAI UNIVERSITY

Kokubunji-shi, Tokyo