

# Premand and Rohner (2024) の再現

RA Bootcamp 2024

竹口世那    鴨下響    宮下翔光    加賀田陸  
林原七音

August 2024

# 論文の概要

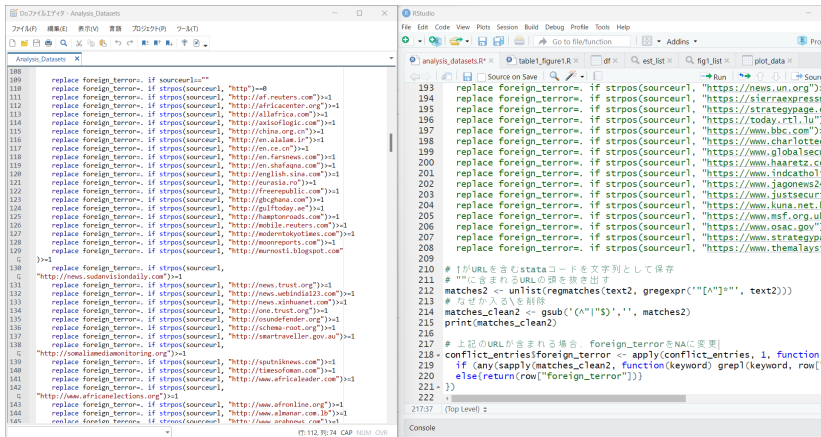
Patrick Premand and Dominic Rohner, “Cash and conflict: Large-scale experimental evidence from Niger,” *American Economic Review: Insights* 6, no. 1 (2024): 137–153

- ▶ リサーチクエスチョン: 現金給付は紛争を減らすのか増やすのか?
- ▶ 分析デザイン: ニジェールにおける現金給付プログラム、約 4,000 村での RCT
- ▶ アウトカム:
  1. 紛争が起こった場所に一番近い村か
  2. 村から 10km 以内で紛争があったか
- ▶ 手法: 固定効果モデルによるパネルデータ回帰
- ▶ 結果: 処置された村で短期的な紛争増加（主に海外勢力によるテロ等）

# 取り組んだこと

- ▶ git の設定：データの更新
- ▶ Final data のクリーニング：データ整形・変数の作成
- ▶ Table1・Figure1 の分析再現・図表の作成

# 工夫したこと



```
108 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
109 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
110 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
111 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
112 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
113 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
114 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
115 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
116 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
117 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
118 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
119 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
120 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
121 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
122 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
123 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
124 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
125 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
126 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
127 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
128 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
129 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
130 }>=1
131 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
132 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
133 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
134 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
135 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
136 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
137 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
138 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
139 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
140 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
141 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
142 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
143 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
144 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
145 replace foreign_terror, if strpos(sourceurl, "http://af.reuters.com")>=1
```

```
193 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
194 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
195 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
196 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
197 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
198 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
199 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
200 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
201 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
202 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
203 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
204 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
205 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
206 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
207 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
208 replace foreign_terror, if strpos(sourceurl, "https://news.un.org")>=1
209
210 # ↑がURLを含むstataコードを文字列として保存
211 # ""に含まれるURLの頭を抜き出す
212 matches2 <- unlist(regmatches(text2, gregexpr("[A"]^", text2)))
213 # なぜか入る\を削除
214 matches_clean2 <- gsub("\\", "", matches2)
215 print(matches_clean2)
216
217 # 上記のURLが含まれる場合、foreign_terrorをNAに変更
218 conflict_entries$foreign_terror <- apply(conflict_entries, 1, function(
219   if (any(sapply(matches_clean2, function(keyword) grepl(keyword, row["
220     else{return(row["foreign_terror"])}
221   ))
222   )
223
224 217/37 (Top Level) ↓
225
226 Console
```

# 困ったこと

- ▶ git のアップロード設定：データなど、  
.gitignore の使い方
- ▶ Table1 の再現：texreg の限界、必要に応じて修正する必要があった
- ▶ Figure1 の再現：文字の大きさの設定

# Main Results

	Nearest neighbor		10km radius	
	TWFE	RCT	TWFE	RCT
<i>Treated</i> (Last 2 years)	0.00511** (0.00214)	0.00631** (0.00255)	0.03848*** (0.01427)	0.01675* (0.00883)
Commune and year fixed effects	Yes	No	Yes	No
Commune $\times$ year fixed effects	No	Yes	No	Yes
Observations	61,198	61,198	61,198	61,198
Adjusted $R^2$	0.01695	0.02199	0.10668	0.26069

\*\*\*  $p < 0.01$ ; \*\*  $p < 0.05$ ; \*  $p < 0.1$

**Table:** Effect of Cash Transfers on Severe Conflict Events

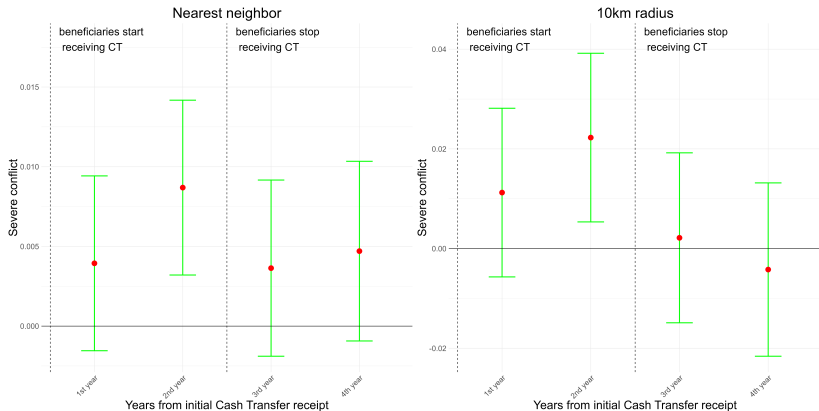
# 元論文の表

Table 2: Effect of Cash Transfers on Severe Conflict Events

	(1) TWFE Nearest neighbor	(2) RCT Nearest neighbor	(3) TWFE 10 km radius	(4) RCT 10 km radius
Treated (Last 2 years)	0.00511** (0.00214)	0.00631** (0.00255)	0.0385*** (0.0143)	0.0168* (0.00883)
Commune and year FE	Yes	No	Yes	No
Commune x year FE	No	Yes	No	Yes
Observations	61,198	61,198	61,198	61,198
$R^2$	0.019	0.045	0.108	0.278

Note: Standard errors are in parentheses, clustered at the commune level. The outcome variable is a dummy that equals 1 if there has been a severe conflict event nearest to the village or within a 10 km radius of the village. Results in columns (1) and (3) are based on the specification in equation (1), while columns (2) and (4) are based on equation (2). \*  $p < .1$ ; \*\*  $p < .05$ ; \*\*\*  $p < .01$

# Figure





# 元論文の Figure

