Stock price reactions to ESG news: the role of ESG ratings and disagreement Review of Accounting Studies (2023)

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2024年11月6日

Research Question

 Whether ESG ratings predict future ESG news and the associated market reactions.

Why interesting and important?

- A newer set of performance evaluations: ESG ratings
 - sourced by investment manager, with trillions of dollars in assets under management
 - influencing portfolio construction and trading
- rating multidimensionality—>rating disagreement
 - difficult to observing the outcomes associated with ESG performance
 - less clear how one can or should judge their quality
- ratings'usefulness?

Contributions

- Literature on examines the properties of ESG ratings
 - Prior: greater ESG disclosure exacerbates disagreement across ESG ratings(Christensen et al.,2022)
 - This study: ESG ratings can be useful in predicting future news.
- Literature on market reactions to ESG event, news, or ratings disagreement
 - Prior: negative market reaction to ESG news(Krueger, 2015)
 - This study: how ESG ratings create investor expectations about future news
- Literature on why investors react to ESG news
 - Prior: nonpecuniary reasons (Jones et al. 2000)
 - This study: financial rather than a nonpecuniary motive.

Hypotheses

- There is a positive relationship between ESG ratings and more positive future ESG news.
 - ESG ratings appropriately reflect a management's efforts.
- More positive ESG news will be associated with more positive stock price reactions to the news.
 - better ESG performance translates into value because of operating efficiencies

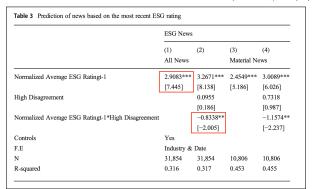
Data

- ESG news(TruValue Labs Pulse data)
 - above 50 indicate positive sentiment
 - below 50 reflect negative sentiment.
- ESG Rating
 - MSCI ESG Ratings,
 - ustainalytics
 - Thomson Reuters Asset 4.

H1: whether ESG ratings predict future ESG news

 predictive ability of ESG rating diminishes only for firms with large disagreements.

ESG News_{i,t} =
$$\beta_0 + \beta_1$$
Normalized Average ESG Rating_{i,t-1}
+ Control Variables + Date FE + Industry FE + $\varepsilon_{i,t}$ (1a)



H2: Market reaction to ESG news

- positive (negative) ESG news is associated with positive (negative) stock price reaction.
- stock price reaction to positive ESG news is more positive than the reaction to negative news

Panel A. Univariate Analysis – All News				
	High Average ESG Rating		Low Average ESG Rating	
	N	Industry Adj Return -1, +1	N	Industry Adj Return -1 +1
Positive News	4,006	0.0738%	2,365	0.4159%
legative News	2,379	-0.1890%	3,991	-0.2184%
anel B. Univariate Analysis – Material News				
	High Average ESG Rating		Low Average ESG Rating	
	N	Industry Adj Return -1, +1	N	Industry Adj Return – I +1
Positive News	1,340	0.0371%	821	1.0580%
Negative News	798	-0.3430%	1,363	-0.4588%

Predicting futures stock returns

- generate significant excess returns
- market has not fully reflected the information contained in the ESG rating disagreements.

$$R_{i,t} = \alpha + \beta_{MKT}MKT_{i,t} + \beta_{SMB}SMB_{i,t} + \beta_{HML}HML_{i,t} + \beta_{RMW}RMW_{i,t}$$

$$+ \beta_{CMA}CMA_{i,t} + \varepsilon_{i,t}$$
(4)

	Equal-Weighted (1)		Value-Weighted (2)		
	Long/Short		Long/Short		
Parameter	Estimate	t	Estimate	t	
Intercept	0.0035	2.46	0.0033	2.35	
Market	-0.1334	-3.13	-0.1319	-3.10	
SMB	0.0807	1.03	0.0833	1.09	
HML	-0.0942	-1.10	-0.0963	-1.15	

Conclusion and Question

- Positive market reaction to positive ESG news and a negative market reaction to negative news
- ESG news reflects sentiment, but may not provide accurate corporate ESG information.
- The issue is not how ESG news responds to ESG, but rather the media's misvaluation of ESG news.