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VRIJE UNIVERSITEIT

**Advances in Derivative Estimation:  
Ranked Data, Quantiles, and Options**

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad Doctor aan  
de Vrije Universiteit Amsterdam,  
op gezag van de rector magnificus  
prof.dr. F.A. van der Duyn Schouten,  
in het openbaar te verdedigen  
ten overstaan van de promotiecommissie  
van de Faculteit der Economische Wetenschappen en Bedrijfskunde  
op maandag 6 oktober 2014 om 13.45 uur  
in het auditorium van de universiteit  
De Boelelaan 1105

door

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