



THE OHIO STATE UNIVERSITY

FISHER COLLEGE OF BUSINESS

Financial Intermediaries and Demand for Duration

Alberto Plazzi, Andrea Tamoni, and Marco Zanotti

Discussant: **Andrei S. Gonçalves**

2024 MFA

Outline

The Paper

My Comments

Final Remarks

This Paper in a Nutshell

- Literature: there is a Short Duration Premium
- Reason: LT investors have high demand for LT cash flows

This Paper in a Nutshell

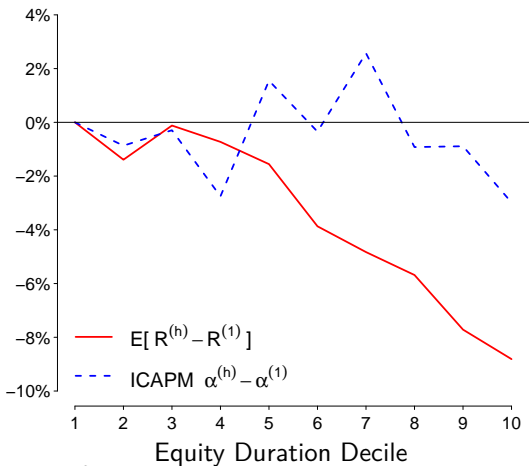
- Literature: there is a Short Duration Premium
- Reason: LT investors have high demand for LT cash flows

This Paper in a Nutshell

- Literature: there is a Short Duration Premium
- Reason: LT investors have high demand for LT cash flows

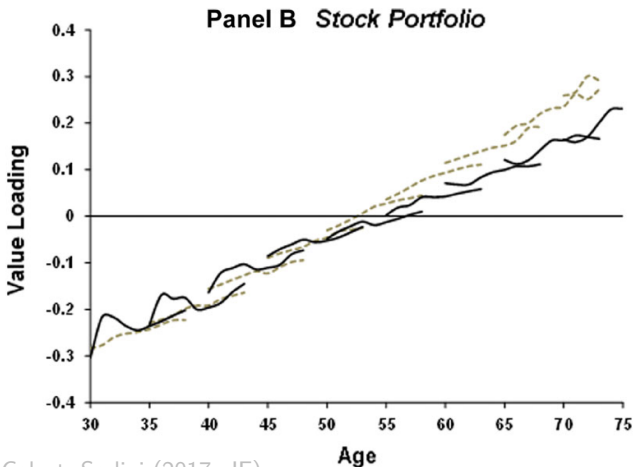
This Paper in a Nutshell

- Literature: there is a Short Duration Premium
- Reason: LT investors have high demand for LT cash flows



This Paper in a Nutshell

- Literature: there is a Short Duration Premium
- Reason: LT investors have high demand for LT cash flows



This Paper in a Nutshell

- Literature: there is a Short Duration Premium
- Reason: LT investors have high demand for LT cash flows
- This paper: explore intermediaries demand for LT cash flows
 - Obtain equity duration proxy, Dur (Gonzales (2021, JFE))
 - Estimate demand system with Dur (Foljen et al (2024, RESud))
 - Study the Dur demand (θ_{Dur}) of
 - Three key findings:

This Paper in a Nutshell

- Literature: there is a Short Duration Premium
- Reason: LT investors have high demand for LT cash flows
- This paper: explore intermediaries demand for LT cash flows
 - Obtain equity duration proxy, *Dur* (Gonçalves (2021, JFE))
 - Estimate demand system with *Dur* (Foljen et al (2024, RESStud))
 - Study the *Dur* demand (θ_{Dur}) of
- Three key findings:

This Paper in a Nutshell

- Literature: there is a Short Duration Premium
- Reason: LT investors have high demand for LT cash flows
- This paper: explore intermediaries demand for LT cash flows
 - Obtain equity duration proxy, *Dur* (Gonçalves (2021, JFE))
 - Estimate demand system with *Dur* (Koijen et al (2024, REStud))
 - Study the *Dur* demand (θ_{Dur}) of
- Three key findings:

This Paper in a Nutshell

- Literature: there is a Short Duration Premium
- Reason: LT investors have high demand for LT cash flows
- This paper: explore intermediaries demand for LT cash flows
 - Obtain equity duration proxy, *Dur* (Gonçalves (2021, JFE))
 - Estimate demand system with *Dur* (Koijen et al (2024, REStud))
 - Study the *Dur* demand (θ_{Dur}) of
 - * Primary Dealers
 - * Banks
 - * Pension Funds
 - * Insurance Companies
 - Three key findings:

This Paper in a Nutshell

- Literature: there is a Short Duration Premium
- Reason: LT investors have high demand for LT cash flows
- This paper: explore intermediaries demand for LT cash flows
 - Obtain equity duration proxy, Dur (Gonçalves (2021, JFE))
 - Estimate demand system with Dur (Koiijen et al (2024, REStud))
 - Study the Dur demand (θ_{Dur}) of
 - * Primary Dealers
 - * Banks
 - * Pension Funds
 - * Insurance Companies
 - Three key findings:
 - 1) $\theta_{Dur} > 0$ on average (except for Banks)
 - 2) \uparrow Frictions $\Rightarrow \downarrow \theta_{Dur}$
 - 3) Shifts in θ_{Dur} have large effect on asset prices

This Paper in a Nutshell

- Literature: there is a Short Duration Premium
- Reason: LT investors have high demand for LT cash flows
- This paper: explore intermediaries demand for LT cash flows
 - Obtain equity duration proxy, Dur (Gonçalves (2021, JFE))
 - Estimate demand system with Dur (Koiijen et al (2024, REStud))
 - Study the Dur demand (θ_{Dur}) of
 - * Primary Dealers
 - * Banks
 - * Pension Funds
 - * Insurance Companies
 - Three key findings:
 - 1) $\theta_{Dur} > 0$ on average (except for Banks)
 - 2) \uparrow Frictions $\Rightarrow \downarrow \theta_{Dur}$
 - 3) Shifts in θ_{Dur} have large effect on asset prices

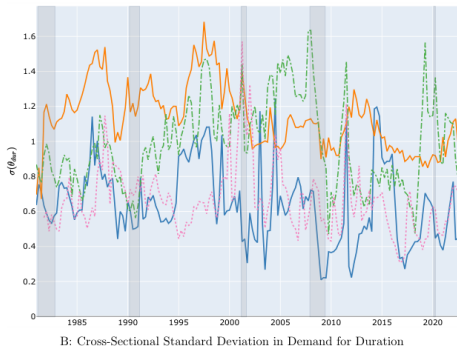
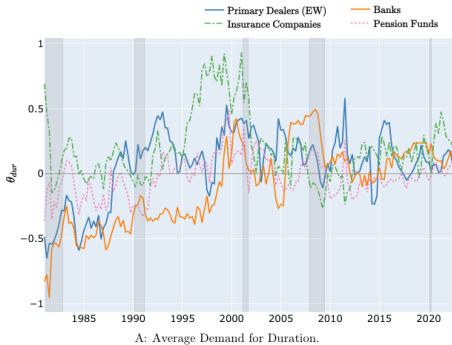
This Paper in a Nutshell

- Literature: there is a Short Duration Premium
- Reason: LT investors have high demand for LT cash flows
- This paper: explore intermediaries demand for LT cash flows
 - Obtain equity duration proxy, Dur (Gonçalves (2021, JFE))
 - Estimate demand system with Dur (Koiijen et al (2024, REStud))
 - Study the Dur demand (θ_{Dur}) of
 - * Primary Dealers
 - * Banks
 - * Pension Funds
 - * Insurance Companies
 - Three key findings:
 - 1) $\theta_{Dur} > 0$ on average (except for Banks)
 - 2) \uparrow Frictions $\Rightarrow \downarrow \theta_{Dur}$
 - 3) Shifts in θ_{Dur} have large effect on asset prices

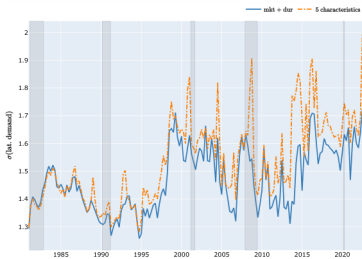
This Paper in a Nutshell

- Literature: there is a Short Duration Premium
- Reason: LT investors have high demand for LT cash flows
- This paper: explore intermediaries demand for LT cash flows
 - Obtain equity duration proxy, Dur (Gonçalves (2021, JFE))
 - Estimate demand system with Dur (Koiijen et al (2024, REStud))
 - Study the Dur demand (θ_{Dur}) of
 - * Primary Dealers
 - * Banks
 - * Pension Funds
 - * Insurance Companies
 - Three key findings:
 - 1) $\theta_{Dur} > 0$ on average (except for Banks)
 - 2) \uparrow Frictions $\Rightarrow \downarrow \theta_{Dur}$
 - 3) Shifts in θ_{Dur} have large effect on asset prices

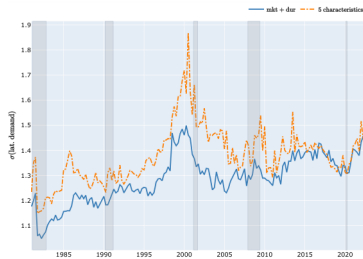
The *Dur* Demand



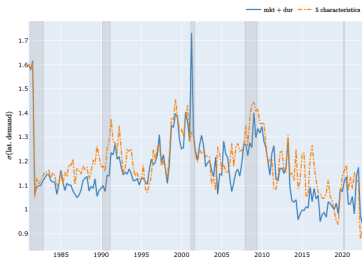
The Relevance of *Dur* Demand



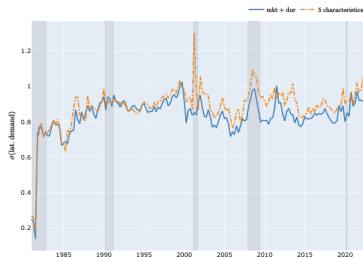
A: Primary Dealers.



B: Banks.

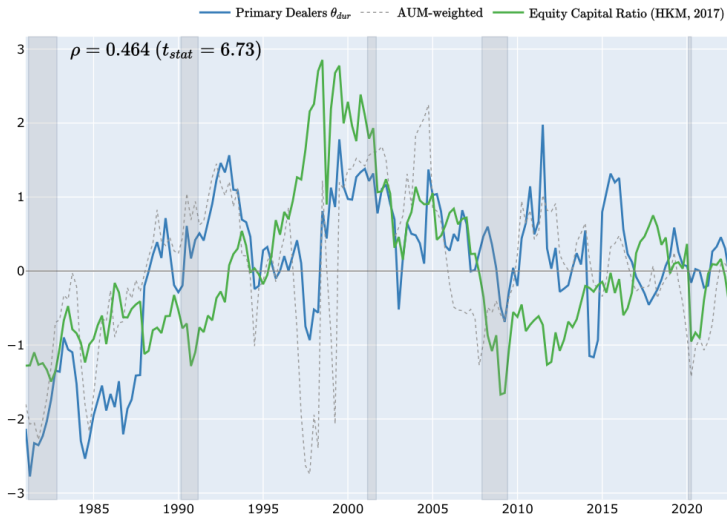


C: Insurance Companies.

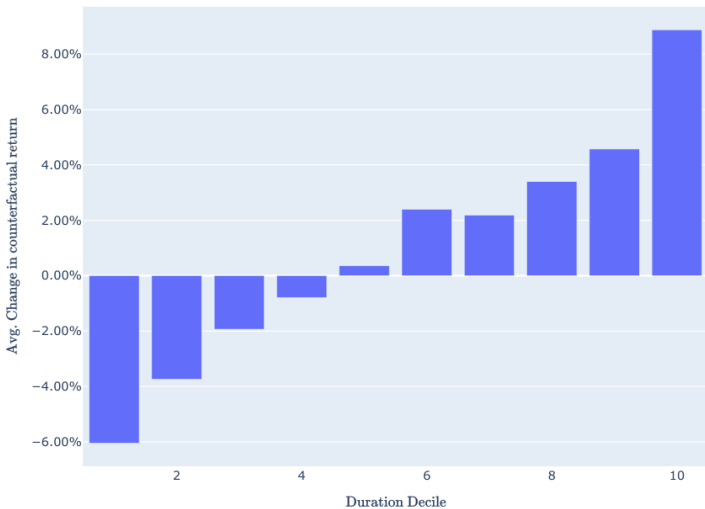


D: Pension Funds.

The Link Between *Dur* Demand and Capital Constraints



The Asset Pricing Impact of *Dur* Demand

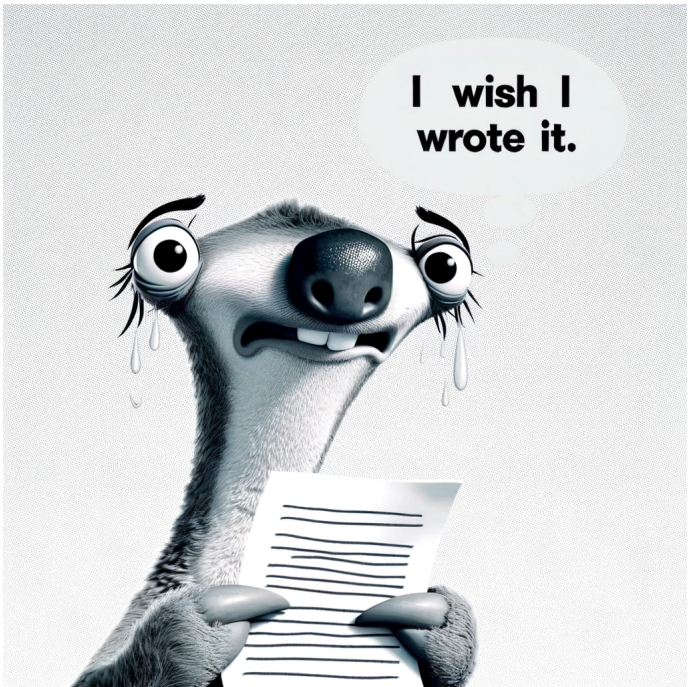


Outline

The Paper

My Comments

Final Remarks



1) The Effect of Reinvestment Risk on θ_{Dur}

- $\sigma(Dur)$ does not capture the reinvestment risk effect on θ_{Dur} :
- Directly consider the reinvestment risk hedging demand:
- Model the value-wealth ratio as $vw_{t+1} = a_t + s_{t+1}/(\gamma_t - 1)$, so
Gonçalves (2021, JF)
- Reasonable to say $\phi_{n,t}^s = -b \cdot Dur_{n,t}$, so
- $\uparrow \gamma_t \Rightarrow \downarrow \theta_{Dur,t} = 1/\gamma_t \cdot b$

1) The Effect of Reinvestment Risk on θ_{Dur}

- $\sigma(Dur)$ does not capture the reinvestment risk effect on θ_{Dur} :
 - $\uparrow \sigma(Dur) \Rightarrow \uparrow$ spread in $\beta_{ReinvRisk}$ across duration deciles
 - But the reinvestment risk hedging demand is not high
- Directly consider the reinvestment risk hedging demand:
- Model the value-wealth ratio as $vw_{t+1} = a_t + s_{t+1}/(\gamma_t - 1)$, so
Gonçalves (2021, JF)
- Reasonable to say $\phi_{n,t}^s = -b \cdot Dur_{n,t}$, so
- $\uparrow \gamma_t \Rightarrow \downarrow \theta_{Dur,t} = 1/\gamma_t \cdot b$

1) The Effect of Reinvestment Risk on θ_{Dur}

- $\sigma(Dur)$ does not capture the reinvestment risk effect on θ_{Dur} :
 - $\uparrow \sigma(Dur) \Rightarrow \uparrow$ spread in $\beta_{ReinvRisk}$ across duration deciles
 - But the reinvestment risk hedging demand is not high
- Directly consider the reinvestment risk hedging demand:
- Model the value-wealth ratio as $vw_{t+1} = a_t + s_{t+1}/(\gamma_t - 1)$, so
 Gonçalves (2021, JF)
- Reasonable to say $\phi_{n,t}^s = -b \cdot Dur_{n,t}$, so
- $\uparrow \gamma_t \Rightarrow \downarrow \theta_{Dur,t} = 1/\gamma_t \cdot b$

1) The Effect of Reinvestment Risk on θ_{Dur}

- $\sigma(Dur)$ does not capture the reinvestment risk effect on θ_{Dur} :
 - $\uparrow \sigma(Dur) \Rightarrow \uparrow$ spread in $\beta_{ReinvRisk}$ across duration deciles
 - But the reinvestment risk hedging demand is not high
- Directly consider the reinvestment risk hedging demand:
- Model the value-wealth ratio as $vw_{t+1} = a_t + s_{t+1}/(\gamma_t - 1)$, so
 Gonçalves (2021, JF)
- Reasonable to say $\phi_{n,t}^s = -b \cdot Dur_{n,t}$, so
- $\uparrow \gamma_t \Rightarrow \downarrow \theta_{Dur,t} = 1/\gamma_t \cdot b$

1) The Effect of Reinvestment Risk on θ_{Dur}

- $\sigma(Dur)$ does not capture the reinvestment risk effect on θ_{Dur} :
 - $\uparrow \sigma(Dur) \Rightarrow \uparrow$ spread in $\beta_{ReinvRisk}$ across duration deciles
 - But the reinvestment risk hedging demand is not high
- Directly consider the reinvestment risk hedging demand:

$$w_{n,t} = w_{n,t}^{myopic} - 1/\gamma_t \cdot (\gamma_t - 1) \cdot \phi_{n,t}^{vw}$$

where $\phi_{n,t}^{vw}$ is asset n coefficient in vw_t projection onto returns

- Model the value-wealth ratio as $vw_{t+1} = a_t + s_{t+1}/(\gamma_t - 1)$, so
Conçalves (2021, JF)
- Reasonable to say $\phi_{n,t}^s = -b \cdot Dur_{n,t}$, so
- $\uparrow \gamma_t \Rightarrow \downarrow \theta_{Dur,t} = 1/\gamma_t \cdot b$

1) The Effect of Reinvestment Risk on θ_{Dur}

- $\sigma(Dur)$ does not capture the reinvestment risk effect on θ_{Dur} :
 - $\uparrow \sigma(Dur) \Rightarrow \uparrow$ spread in $\beta_{ReinvRisk}$ across duration deciles
 - But the reinvestment risk hedging demand is not high
- Directly consider the reinvestment risk hedging demand:

$$w_{n,t} = w_{n,t}^{myopic} - 1/\gamma_t \cdot (\gamma_t - 1) \cdot \phi_{n,t}^{vw}$$

where $\phi_{n,t}^{vw}$ is asset n coefficient in vw_t projection onto returns

- Model the value-wealth ratio as $vw_{t+1} = a_t + s_{t+1}/(\gamma_t - 1)$, so
Gompers (2021, JF)
- Reasonable to say $\phi_{n,t}^{vw} = -b \cdot Dur_{n,t}$, so
- $\uparrow \gamma_t \Rightarrow \downarrow \partial_{Dur,t} = 1/\gamma_t \cdot b$

1) The Effect of Reinvestment Risk on θ_{Dur}

- $\sigma(Dur)$ does not capture the reinvestment risk effect on θ_{Dur} :
 - $\uparrow \sigma(Dur) \Rightarrow \uparrow$ spread in $\beta_{ReinvRisk}$ across duration deciles
 - But the reinvestment risk hedging demand is not high
- Directly consider the reinvestment risk hedging demand:

$$w_{n,t} = w_{n,t}^{myopic} - 1/\gamma_t \cdot (\gamma_t - 1) \cdot \phi_{n,t}^{vw}$$

where $\phi_{n,t}^{vw}$ is asset n coefficient in vw_t projection onto returns

- Model the value-wealth ratio as $vw_{t+1} = a_t + s_{t+1}/(\gamma_t - 1)$, so
Gonçalves (2021, JF)

$$w_{n,t} = w_{n,t}^{myopic} - 1/\gamma_t \cdot \phi_{n,t}^s$$

- Reasonable to say $\phi_{n,t}^s = -b \cdot Dur_{n,t}$, so

- $\uparrow \gamma_t \Rightarrow \downarrow \theta_{Dur,t} = 1/\gamma_t \cdot b$

1) The Effect of Reinvestment Risk on θ_{Dur}

- $\sigma(Dur)$ does not capture the reinvestment risk effect on θ_{Dur} :
 - $\uparrow \sigma(Dur) \Rightarrow \uparrow$ spread in $\beta_{ReinvRisk}$ across duration deciles
 - But the reinvestment risk hedging demand is not high
- Directly consider the reinvestment risk hedging demand:

$$w_{n,t} = w_{n,t}^{myopic} - 1/\gamma_t \cdot (\gamma_t - 1) \cdot \phi_{n,t}^{vw}$$

where $\phi_{n,t}^{vw}$ is asset n coefficient in vw_t projection onto returns

- Model the value-wealth ratio as $vw_{t+1} = a_t + s_{t+1}/(\gamma_t - 1)$, so
Gonçalves (2021, JF)

$$w_{n,t} = w_{n,t}^{myopic} - 1/\gamma_t \cdot \phi_{n,t}^s$$

- Reasonable to say $\phi_{n,t}^s = -b \cdot Dur_{n,t}$, so

- $\uparrow \gamma_t \Rightarrow \downarrow a_{Dur,t} = 1/\gamma_t \cdot b$

1) The Effect of Reinvestment Risk on θ_{Dur}

- $\sigma(Dur)$ does not capture the reinvestment risk effect on θ_{Dur} :
 - $\uparrow \sigma(Dur) \Rightarrow \uparrow$ spread in $\beta_{ReinvRisk}$ across duration deciles
 - But the reinvestment risk hedging demand is not high
- Directly consider the reinvestment risk hedging demand:

$$w_{n,t} = w_{n,t}^{myopic} - 1/\gamma_t \cdot (\gamma_t - 1) \cdot \phi_{n,t}^{vw}$$

where $\phi_{n,t}^{vw}$ is asset n coefficient in vw_t projection onto returns

- Model the value-wealth ratio as $vw_{t+1} = a_t + s_{t+1}/(\gamma_t - 1)$, so
Gonçalves (2021, JF)

$$w_{n,t} = w_{n,t}^{myopic} - 1/\gamma_t \cdot \phi_{n,t}^s$$

- Reasonable to say $\phi_{n,t}^s = -b \cdot Dur_{n,t}$, so

$$w_{n,t} = w_{n,t}^{myopic} + 1/\gamma_t \cdot b \cdot Dur_{n,t}$$

- $\uparrow \gamma_t \Rightarrow \downarrow \theta_{Dur,t} = 1/\gamma_t \cdot b$

1) The Effect of Reinvestment Risk on θ_{Dur}

- $\sigma(Dur)$ does not capture the reinvestment risk effect on θ_{Dur} :
 - $\uparrow \sigma(Dur) \Rightarrow \uparrow$ spread in $\beta_{ReinvRisk}$ across duration deciles
 - But the reinvestment risk hedging demand is not high
- Directly consider the reinvestment risk hedging demand:

$$w_{n,t} = w_{n,t}^{myopic} - 1/\gamma_t \cdot (\gamma_t - 1) \cdot \phi_{n,t}^{vw}$$

where $\phi_{n,t}^{vw}$ is asset n coefficient in vw_t projection onto returns

- Model the value-wealth ratio as $vw_{t+1} = a_t + s_{t+1}/(\gamma_t - 1)$, so
Gonçalves (2021, JF)

$$w_{n,t} = w_{n,t}^{myopic} - 1/\gamma_t \cdot \phi_{n,t}^s$$

- Reasonable to say $\phi_{n,t}^s = -b \cdot Dur_{n,t}$, so

$$w_{n,t} = w_{n,t}^{myopic} + 1/\gamma_t \cdot b \cdot Dur_{n,t}$$

- $\uparrow \gamma_t \Rightarrow \downarrow \theta_{Dur,t} = 1/\gamma_t \cdot b$

1) The Effect of Reinvestment Risk on θ_{Dur}

- $\sigma(Dur)$ does not capture the reinvestment risk effect on θ_{Dur} :
 - $\uparrow \sigma(Dur) \Rightarrow \uparrow$ spread in $\beta_{ReinvRisk}$ across duration deciles
 - But the reinvestment risk hedging demand is not high
- Directly consider the reinvestment risk hedging demand:

$$w_{n,t} = w_{n,t}^{myopic} - 1/\gamma_t \cdot (\gamma_t - 1) \cdot \phi_{n,t}^{vw}$$

where $\phi_{n,t}^{vw}$ is asset n coefficient in vw_t projection onto returns

- Model the value-wealth ratio as $vw_{t+1} = a_t + s_{t+1}/(\gamma_t - 1)$, so
Gonçalves (2021, JF)

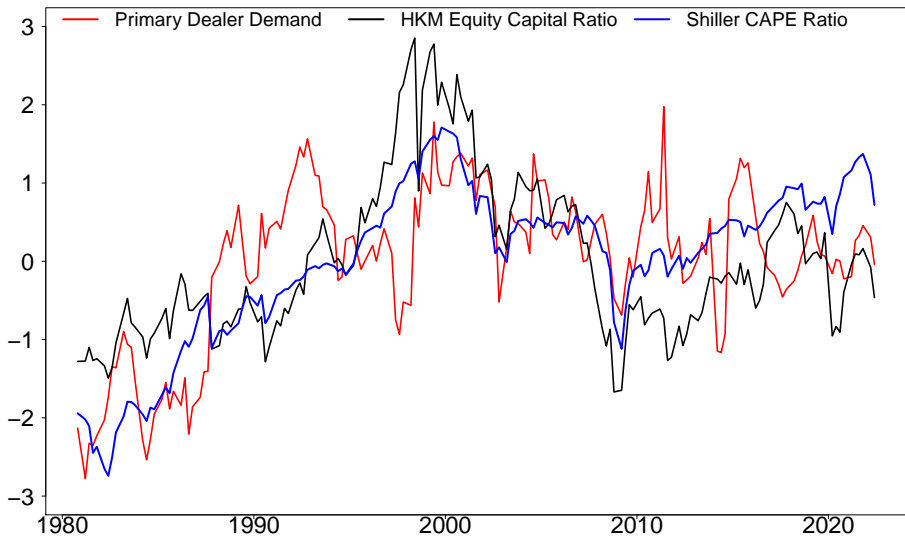
$$w_{n,t} = w_{n,t}^{myopic} - 1/\gamma_t \cdot \phi_{n,t}^s$$

- Reasonable to say $\phi_{n,t}^s = -b \cdot Dur_{n,t}$, so

$$w_{n,t} = w_{n,t}^{myopic} + 1/\gamma_t \cdot b \cdot Dur_{n,t}$$

- $\uparrow \gamma_t \Rightarrow \downarrow \theta_{Dur,t} = 1/\gamma_t \cdot b$

1) The Effect of Reinvestment Risk on θ_{Dur}



1) The Effect of Reinvestment Risk on θ_{Dur}

$$\theta_{Dur,t+1}^{\text{Primary Dealer}} = a + b'x_t + \epsilon_{t+1}$$

HMK Equity Capital Ratio Shiller CAPE Ratio ($1/\gamma_t$)	
R_{adj}^2	

1) The Effect of Reinvestment Risk on θ_{Dur}

$$\theta_{Dur,t+1}^{\text{Primary Dealer}} = a + b'x_t + \epsilon_{t+1}$$

	[1]
HMK Equity Capital Ratio	0.118***
Shiller CAPE Ratio ($1/\gamma_t$)	
R_{adj}^2	20.8%

1) The Effect of Reinvestment Risk on θ_{Dur}

$$\theta_{Dur,t+1}^{\text{Primary Dealer}} = a + b'x_t + \epsilon_{t+1}$$

	[1]	[2]
HMK Equity Capital Ratio	0.118***	
Shiller CAPE Ratio ($1/\gamma_t$)		0.178***
R_{adj}^2	20.8%	47.7%

1) The Effect of Reinvestment Risk on θ_{Dur}

$$\theta_{Dur,t+1}^{\text{Primary Dealer}} = a + b'x_t + \epsilon_{t+1}$$

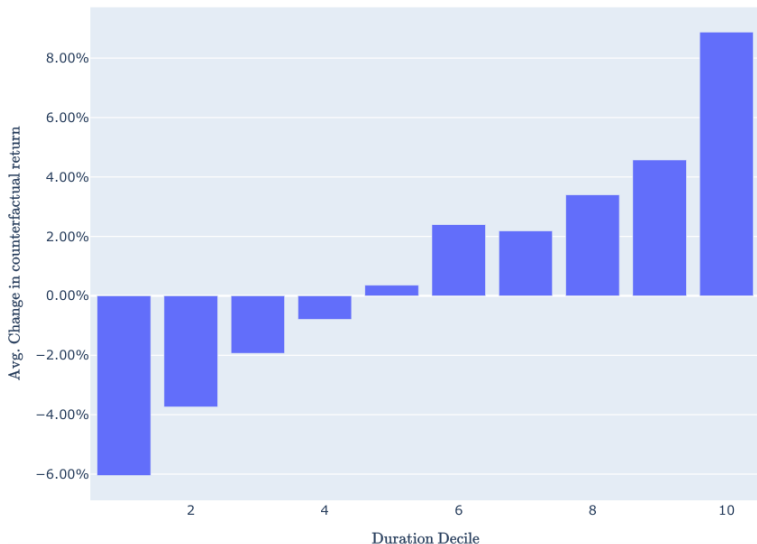
	[1]	[2]	[3]
HMK Equity Capital Ratio	0.118***		-0.028
Shiller CAPE Ratio ($1/\gamma_t$)		0.178***	0.198***
R_{adj}^2	20.8%	47.7%	47.9%

1) The Effect of Reinvestment Risk on θ_{Dur}

$$\theta_{Dur,t}^{\text{Primary Dealer}} = a + b'x_t + \epsilon_t$$

	[1]	[2]	[3]
HMK Equity Capital Ratio	0.120***		-0.027
Shiller CAPE Ratio ($1/\gamma_t$)		0.181***	0.201***
R_{adj}^2	21.1%	48.4%	48.6%

2) $\uparrow \theta_{Dur}$ Should Imply \uparrow Short Duration Premium



2) $\uparrow \theta_{Dur}$ Should Imply \uparrow Short Duration Premium



2) $\uparrow \theta_{Dur}$ Should Imply \uparrow Short Duration Premium

- “increased demand toward high duration [...] with companies at the long-end of the duration spectrum experiencing large capital gains at the expenses of companies with proximate cash-flows”
- So, this effect is about price impact not about equilibrium $\mathbb{E}[r]$
- A θ_{Dur} increase generates a price impact in the same period
- But (to me) the most interesting question is the effect on $\mathbb{E}[r]$
- Relevant asset pricing questions:

2) $\uparrow \theta_{Dur}$ Should Imply \uparrow Short Duration Premium

- “increased demand toward high duration [...] with companies at the long-end of the duration spectrum experiencing large capital gains at the expenses of companies with proximate cash-flows”
- So, this effect is about price impact not about equilibrium $\mathbb{E}[r]$
 - A θ_{Dur} increase generates a price impact in the same period
 - But (to me) the most interesting question is the effect on $\mathbb{E}[r]$
- Relevant asset pricing questions:

2) $\uparrow \theta_{Dur}$ Should Imply \uparrow Short Duration Premium

- “increased demand toward high duration [...] with companies at the long-end of the duration spectrum experiencing large capital gains at the expenses of companies with proximate cash-flows”
- So, this effect is about price impact not about equilibrium $\mathbb{E}[r]$
- A θ_{Dur} increase generates a price impact in the same period
- But (to me) the most interesting question is the effect on $\mathbb{E}[r]$
- Relevant asset pricing questions:

2) $\uparrow \theta_{Dur}$ Should Imply \uparrow Short Duration Premium

- “increased demand toward high duration [...] with companies at the long-end of the duration spectrum experiencing large capital gains at the expenses of companies with proximate cash-flows”
- So, this effect is about price impact not about equilibrium $\mathbb{E}[r]$
- A θ_{Dur} increase generates a price impact in the same period
- But (to me) the most interesting question is the effect on $\mathbb{E}[r]$
 - Suppose θ_{Dur} is permanently higher
 - This should induce a decline in $\mathbb{E}[r]$ for long duration firms
- Relevant asset pricing questions:

2) $\uparrow \theta_{Dur}$ Should Imply \uparrow Short Duration Premium

- “increased demand toward high duration [...] with companies at the long-end of the duration spectrum experiencing large capital gains at the expenses of companies with proximate cash-flows”
- So, this effect is about price impact not about equilibrium $\mathbb{E}[r]$
- A θ_{Dur} increase generates a price impact in the same period
- But (to me) the most interesting question is the effect on $\mathbb{E}[r]$
 - Suppose θ_{Dur} is permanently higher
 - This should induce a decline in $\mathbb{E}[r]$ for long duration firms
- Relevant asset pricing questions:

2) $\uparrow \theta_{Dur}$ Should Imply \uparrow Short Duration Premium

- “increased demand toward high duration [...] with companies at the long-end of the duration spectrum experiencing large capital gains at the expenses of companies with proximate cash-flows”
- So, this effect is about price impact not about equilibrium $\mathbb{E}[r]$
- A θ_{Dur} increase generates a price impact in the same period
- But (to me) the most interesting question is the effect on $\mathbb{E}[r]$
 - Suppose θ_{Dur} is permanently higher
 - This should induce a decline in $\mathbb{E}[r]$ for long duration firms
- Relevant asset pricing questions:

2) $\uparrow \theta_{Dur}$ Should Imply \uparrow Short Duration Premium

- “increased demand toward high duration [...] with companies at the long-end of the duration spectrum experiencing large capital gains at the expenses of companies with proximate cash-flows”
- So, this effect is about price impact not about equilibrium $\mathbb{E}[r]$
- A θ_{Dur} increase generates a price impact in the same period
- But (to me) the most interesting question is the effect on $\mathbb{E}[r]$
 - Suppose θ_{Dur} is permanently higher
 - This should induce a decline in $\mathbb{E}[r]$ for long duration firms
- Relevant asset pricing questions:
 - Can θ_{Dur} explain the average Short Duration Premium?
 - Can $\theta_{Dur,t}$ explain the Short Duration Premium variation?

2) $\uparrow \theta_{Dur}$ Should Imply \uparrow Short Duration Premium

- “increased demand toward high duration [...] with companies at the long-end of the duration spectrum experiencing large capital gains at the expenses of companies with proximate cash-flows”
- So, this effect is about price impact not about equilibrium $\mathbb{E}[r]$
- A θ_{Dur} increase generates a price impact in the same period
- But (to me) the most interesting question is the effect on $\mathbb{E}[r]$
 - Suppose θ_{Dur} is permanently higher
 - This should induce a decline in $\mathbb{E}[r]$ for long duration firms
- Relevant asset pricing questions:
 - Can θ_{Dur} explain the average Short Duration Premium?
 - * Counterfactual Short Duration Premium under $\theta_{Dur,t} = 0$
 - Can $\theta_{Dur,t}$ explain the Short Duration Premium variation?

2) $\uparrow \theta_{Dur}$ Should Imply \uparrow Short Duration Premium

- “increased demand toward high duration [...] with companies at the long-end of the duration spectrum experiencing large capital gains at the expenses of companies with proximate cash-flows”
- So, this effect is about price impact not about equilibrium $\mathbb{E}[r]$
- A θ_{Dur} increase generates a price impact in the same period
- But (to me) the most interesting question is the effect on $\mathbb{E}[r]$
 - Suppose θ_{Dur} is permanently higher
 - This should induce a decline in $\mathbb{E}[r]$ for long duration firms
- Relevant asset pricing questions:
 - Can θ_{Dur} explain the average Short Duration Premium?
 - * Counterfactual Short Duration Premium under $\theta_{Dur,i} = 0$
 - Can $\theta_{Dur,t}$ explain the Short Duration Premium variation?

2) $\uparrow \theta_{Dur}$ Should Imply \uparrow Short Duration Premium

- “increased demand toward high duration [...] with companies at the long-end of the duration spectrum experiencing large capital gains at the expenses of companies with proximate cash-flows”
- So, this effect is about price impact not about equilibrium $\mathbb{E}[r]$
- A θ_{Dur} increase generates a price impact in the same period
- But (to me) the most interesting question is the effect on $\mathbb{E}[r]$
 - Suppose θ_{Dur} is permanently higher
 - This should induce a decline in $\mathbb{E}[r]$ for long duration firms
- Relevant asset pricing questions:
 - Can θ_{Dur} explain the average Short Duration Premium?
 - * Counterfactual Short Duration Premium under $\theta_{Dur,i} = 0$
 - Can $\theta_{Dur,t}$ explain the Short Duration Premium variation?

2) $\uparrow \theta_{Dur}$ Should Imply \uparrow Short Duration Premium

- “increased demand toward high duration [...] with companies at the long-end of the duration spectrum experiencing large capital gains at the expenses of companies with proximate cash-flows”
- So, this effect is about price impact not about equilibrium $\mathbb{E}[r]$
- A θ_{Dur} increase generates a price impact in the same period
- But (to me) the most interesting question is the effect on $\mathbb{E}[r]$
 - Suppose θ_{Dur} is permanently higher
 - This should induce a decline in $\mathbb{E}[r]$ for long duration firms
- Relevant asset pricing questions:
 - Can θ_{Dur} explain the average Short Duration Premium?
 - * Counterfactual Short Duration Premium under $\theta_{Dur,i} = 0$
 - Can $\theta_{Dur,t}$ explain the Short Duration Premium variation?
 - * Counterfactual Short Duration Premium under $\theta_{Dur,i,t} = \bar{\theta}_{Dur,i}$

Some Other Comments

- 1) Frictions mechanism is very similar to Ge (2022, JF)
- 2) Equation 1 does not reflect the ICAPM demand equation
 - There is no demand for $\mathbb{E}[\tilde{r}_{t+1 \rightarrow t+H}]$
 - There is demand for $\mathbb{E}[\tilde{r}_{t+1}]$ and covariance with $\mathbb{E}[r_{m,t \rightarrow t+H}]$
 - Replace it with demand equation I provided in comment (1)
- 3) Intermediaries overweighting low beta stocks
 - You argue intermediaries overweight low beta stocks
 - You argue this is consistent with Frazzini, Pedersen (2014, JFE)
 - But their point is intermediaries overweight high beta stocks
 - They want leverage and constraints bind on average
 - This overweighting decreases their $\mathbb{E}[r]$ (low beta anomaly)

Outline

The Paper

My Comments

Final Remarks

Final Remarks

- Quite nice paper (highly recommend reading)
- It would be useful to:
- Good luck!

Final Remarks

- Quite nice paper (highly recommend reading)
 - It adds D_{Dur} to a demand system (with $\theta_{Dur} > 0$)
 - It shows intermediaries' θ_{Dur} decrease with frictions
 - It also argues intermediaries' θ_{Dur} have large price impact
- It would be useful to:
- Good luck!

Final Remarks

- Quite nice paper (highly recommend reading)
 - It adds Dur to a demand system (with $\theta_{Dur} > 0$)
 - It shows intermediaries' θ_{Dur} decrease with frictions
 - It also argues intermediaries' θ_{Dur} have large price impact
- It would be useful to:
- Good luck!

Final Remarks

- Quite nice paper (highly recommend reading)
 - It adds D_{Dur} to a demand system (with $\theta_{Dur} > 0$)
 - It shows intermediaries' θ_{Dur} decrease with frictions
 - It also argues intermediaries' θ_{Dur} have large price impact
- It would be useful to:
- Good luck!

Final Remarks

- Quite nice paper (highly recommend reading)
 - It adds D_{Dur} to a demand system (with $\theta_{Dur} > 0$)
 - It shows intermediaries' θ_{Dur} decrease with frictions
 - It also argues intermediaries' θ_{Dur} have large price impact
- It would be useful to:
- Good luck!

Final Remarks

- Quite nice paper (highly recommend reading)
 - It adds Dur to a demand system (with $\theta_{Dur} > 0$)
 - It shows intermediaries' θ_{Dur} decrease with frictions
 - It also argues intermediaries' θ_{Dur} have large price impact
- It would be useful to:
 - Explore the frictions mechanism (I think it is through γ_t)
 - Can θ_{Dur} explain the average Short Duration Premium?
 - Can $\theta_{Dur,t}$ explain the Short Duration Premium variation?
- Good luck!

Final Remarks

- Quite nice paper (highly recommend reading)
 - It adds Dur to a demand system (with $\theta_{Dur} > 0$)
 - It shows intermediaries' θ_{Dur} decrease with frictions
 - It also argues intermediaries' θ_{Dur} have large price impact
- It would be useful to:
 - Explore the frictions mechanism (I think it is through γ_t)
 - Can θ_{Dur} explain the average Short Duration Premium?
 - Can $\theta_{Dur,t}$ explain the Short Duration Premium variation?
- Good luck!

Final Remarks

- Quite nice paper (highly recommend reading)
 - It adds Dur to a demand system (with $\theta_{Dur} > 0$)
 - It shows intermediaries' θ_{Dur} decrease with frictions
 - It also argues intermediaries' θ_{Dur} have large price impact
- It would be useful to:
 - Explore the frictions mechanism (I think it is through γ_t)
 - Can θ_{Dur} explain the average Short Duration Premium?
 - Can $\theta_{Dur,t}$ explain the Short Duration Premium variation?
- Good luck!

Final Remarks

- Quite nice paper (highly recommend reading)
 - It adds Dur to a demand system (with $\theta_{Dur} > 0$)
 - It shows intermediaries' θ_{Dur} decrease with frictions
 - It also argues intermediaries' θ_{Dur} have large price impact
- It would be useful to:
 - Explore the frictions mechanism (I think it is through γ_t)
 - Can θ_{Dur} explain the average Short Duration Premium?
 - Can $\theta_{Dur,t}$ explain the Short Duration Premium variation?
- Good luck!

Final Remarks

- Quite nice paper (highly recommend reading)
 - It adds Dur to a demand system (with $\theta_{Dur} > 0$)
 - It shows intermediaries' θ_{Dur} decrease with frictions
 - It also argues intermediaries' θ_{Dur} have large price impact
- It would be useful to:
 - Explore the frictions mechanism (I think it is through γ_t)
 - Can θ_{Dur} explain the average Short Duration Premium?
 - Can $\theta_{Dur,t}$ explain the Short Duration Premium variation?
- Good luck!