The Future of Housing Finance

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The Future of Housing Finance from and IMB perspective

1. Current Market trends, demographics etc. shaping the future

2. The growth of the IMB
   - share growth
   - broker growth
   - Regulatory concerns

3. The Fed LO Comp effects -shaping the composition of lenders

4. Technology $$ - dominant trend in current market landscape

5. The Fintechs are Coming
Originations 1990 to 2019

- Refinance only 25% of market in 2018 – 2019
- Refis drop by 50% from 2016 – 2018 as rates rise, while purchase volume increases ~ 10% per year

Source: Mortgage Bankers Association - Dec 2019
Housing Demand should remain strong for many years

Total US Population by Age and Generation
as of December 2015

<table>
<thead>
<tr>
<th>Generation</th>
<th>Born in:</th>
<th>Age:</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEN-Z</td>
<td>2015</td>
<td>1</td>
</tr>
<tr>
<td>MILLENNIALS</td>
<td>1999</td>
<td>16</td>
</tr>
<tr>
<td>GEN-X</td>
<td>1981</td>
<td>34</td>
</tr>
<tr>
<td>BABY BOOMERS</td>
<td>1965</td>
<td>50</td>
</tr>
<tr>
<td>SILENT GEN</td>
<td>1946</td>
<td>69</td>
</tr>
<tr>
<td>GREATEST GEN</td>
<td>1928</td>
<td>87</td>
</tr>
</tbody>
</table>

Source: U.S. Census Bureau
Top Lenders Weighted To Retail Originations

- Data is based on the top 120 lenders who originate nearly 60% of the total market – high representative sample
- Nearly 60% of volume originated through Retail
- CD trails at 20-25% (higher during refinance period)
- Wholesale at 15-20%, but growing
Expense categories for lenders

- Sales expense exceeds $5,000 per loan on average...
- Fulfillment is approximately $2,300
- Over $1,000 per loan tech expense (wow!) with additional $2,000 in corp admin and support expense
Technology Expense Per Loan Has Gone Up!

- Large banks, who mostly have custom built technology solutions, spend over $1,500 per loan (Avg Volume of $35B, and over 150k loans!)
- Large IMB’s have risen sharply to over $800 per unit (up from $500 in 2017)
- Independent Mortgage Bankers, and Smaller Bank lenders spend an average of ~ $300 - $400 per loan
- Mid-size Banks and Large Independents have seen their per loan costs nearly double over the past several years.

Smaller IMBs and Bank have small overall budgets

- Roughly $4M annual budget for small IMB and Banks
- The large IMB's average over $30M annual budgets
- And large banks have LARGE budgets (over $150M)
The Fintechs are Coming!!
- 2 Major areas of FINTECH

- B2B vs. B2C

- B2B - the Vendor Crowd - Ellie Mae (founded in 1997), Finicity (1999), Black Knight (2008), FormFree (2008), Total Expert (2012), Blend (2012), Lead aggregators, Simplifile, Docutech, etc.
B2C - digital native consumer-direct banks, lenders, wealth managers, insurance and other finance companies.

* Today, there’s a whole new crop of these fintech companies that are also referred to as challenger banks, neobanks or simply startup banks.

*The new crop of consumer-direct fintechs includes players like Varo (1 million customers), Monzo (3 million), Chime (5 million), MoneyLion (5.7 million) and Revolut (8 million).

*These companies mostly start with a single budgeting, saving, borrowing or investing product, and are now expanding into other banking products since proving their customer acquisition and power
B to C is evolving rapidly

- Closer to housing, **Figure** is another consumer-direct fintech example. It began with home equity lending, and is now expanding into first mortgages and student loans. Figure has already raised $225 million since founding in 2018, and has a **valuation of $1.2 billion**.

- While no company in the original or new crops of consumer-direct fintechs have attained mortgage dominance, SoFi remains active in mortgages, plus Wealthfront and Varo got more vocal about mortgage ambitions in the fourth quarter of 2019.