Comprehensive Data Analysis and Visualization of IAB-Registered Companies

Executive Summary

This report provides an in-depth analysis of architectural firms based on IAB‑Registered Companies details, geographic locations, establishment history, ratings, and workforce structure. The objective is to present key observations and insights through descriptive analysis, supported by tables and charts. Additionally, links to the dynamic dashboard and documentation are included for further exploration.

The architectural sector shows significant centralization in Dhaka, with emerging trends indicating gradual growth in other regions. The workforce composition highlights a balanced mix of IAB Member Architects and Architectural Graduates, with a correlation between workforce diversity and firm ratings. Historical data reveals steady growth in the number of firms since the 1990s, aligning with specific economic booms.

This report identifies critical gaps in the data, particularly in ratings and contact details, and proposes solutions to enhance data collection processes. The accompanying dynamic dashboard provides interactive visualizations to explore insights in greater depth. The findings aim to support strategic planning and decision-making for stakeholders in the architectural industry. The report also details the methodology employed, covering data aggregation, cleaning, analysis, and prediction stages, offering a transparent view of the process and key learnings.

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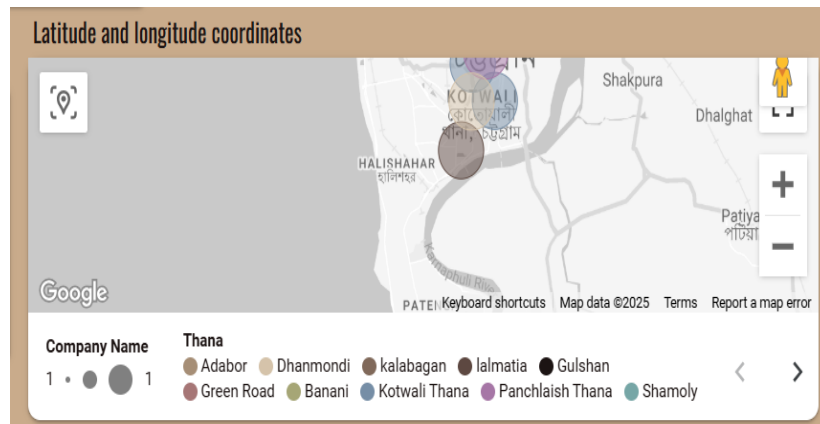4. Footnotes/Endnotes

Tables and Charts

Table 1:

Top3 companies by Thana

	Thana	Company Name	Years of Experienc...
1.	Banani	DOMUS	48
2.	Mohamma...	DESH UPODESH LTD	47
3.	Dhanmondi	ARC ARCHITECTURAL ...	43
4.	Green Road	ARESCON CONSULTANT	42
5.	lalmatia	PROKALPA UPODESHT...	41
6.	Mirpur	ASSOCONSULT LTD.	40

Table 1: Top3 Companies by Thana

Chart 1: Scorecard

ID	Total Architect	Architectural Graduate	IAB Member Architect
142	1,105	603	502

Chart 2: Geographical Distributions

Latitude and longitude coordinates

Company Name
1 · ● ● 1

Thana
● Adabor ○ Dhanmondi ● kalabagan ● lalmatia ● Gulshan
● Green Road ● Banani ● Kotwali Thana ● Panchlaish Thana ● Shamoly

Chart 3: Location Based Companies

Inside Dhaka vs Outside Dhaka
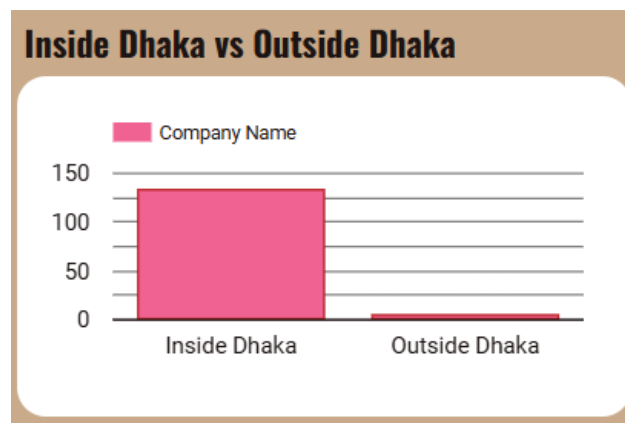
Chart 4: Categorical Formatting

Fee Category

Project Types

Regular Construction — 54.6%
High-End Commercial — 27%
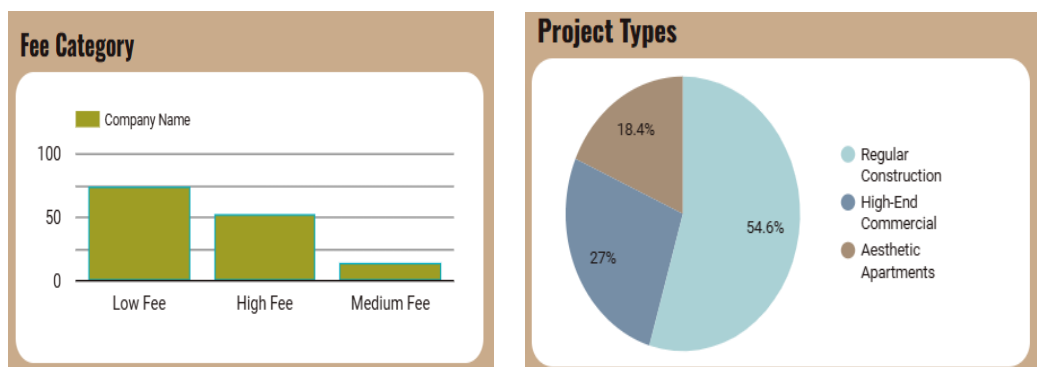Aesthetic Apartments — 18.4%
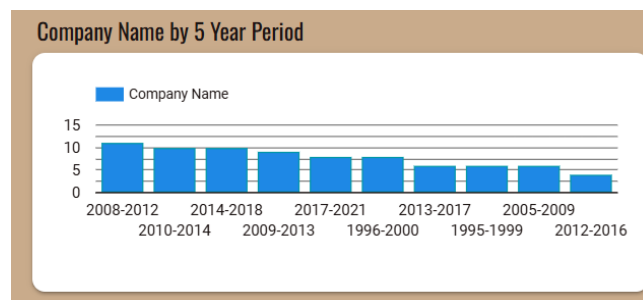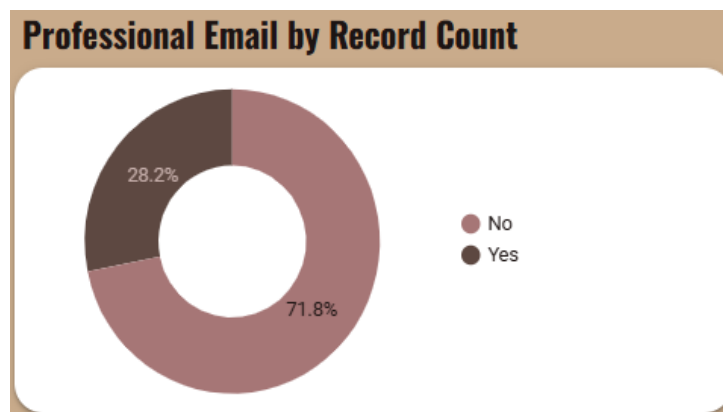
Chart 5: Company list on time period

Chart 6: Checking Professionalism

Observations and Insights

1. **Geographic Trends:**
   o The majority of firms are concentrated in Dhaka, indicating a centralization of the architectural sector in the capital.
   o Emerging trends show a gradual increase in firms outside Dhaka, with notable growth in Chittagong and Sylhet. This decentralization reflects a growing demand for architectural services in regional areas.
2. **Workforce Composition:**
   o The average workforce per firm includes both IAB Member Architects and Architectural Graduates, averaging **6** professionals per firm.
   o High-rated firms tend to employ a higher proportion of IAB Members, emphasizing the importance of professional accreditation in enhancing firm reputation and client trust.
3. **Historical Growth:**
   o Data reveals a consistent rise in new firms since the 1990s, with significant spikes aligning with economic booms and increased urban development.
   o The "5-Year Period" data highlights key periods of growth, especially during infrastructural investments and policy changes favoring the construction sector.
4. **Data Gaps:**
   o Not all firms have ratings or complete contact details, pointing to areas for improved data collection. Addressing these gaps can provide a more comprehensive understanding of the sector and help stakeholders make informed decisions.

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