

## Summary of Gasoline and Diesel Demand Studies in Dahl Energy Demand Databasse (DEDD)

### Gasoline Demand

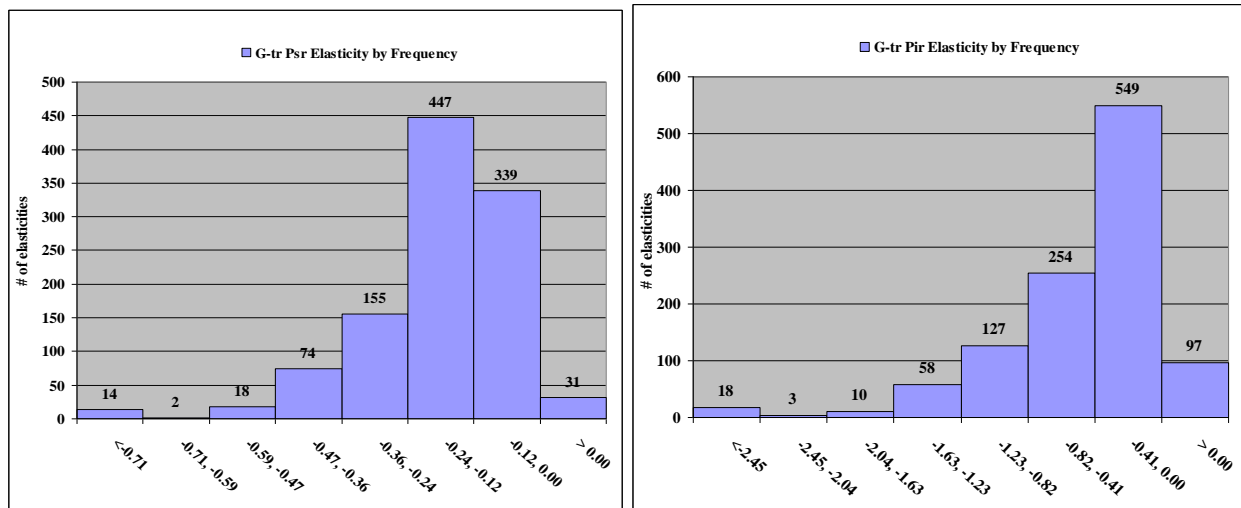
I have found 247 studies for gasoline demand with 2365 estimates for around 80 countries and some cross-section time-series of countries. Summary statistics are shown in Table 1. DEDD median elasticities are well behaved and show less elastic long-run price elasticities than in the residential sector. Histograms of all studies follow.

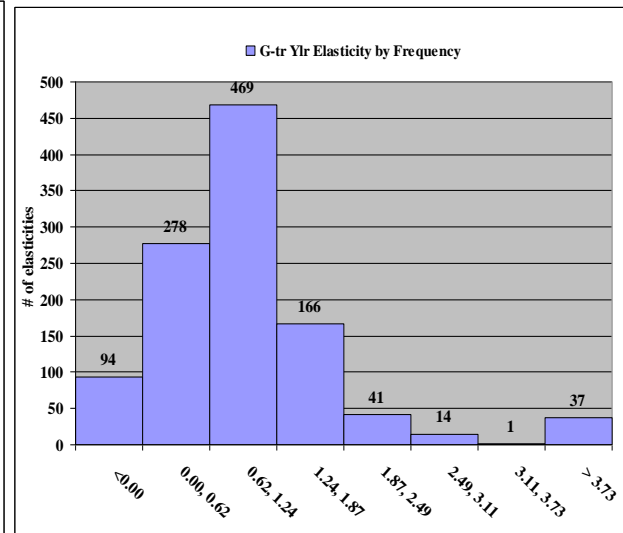
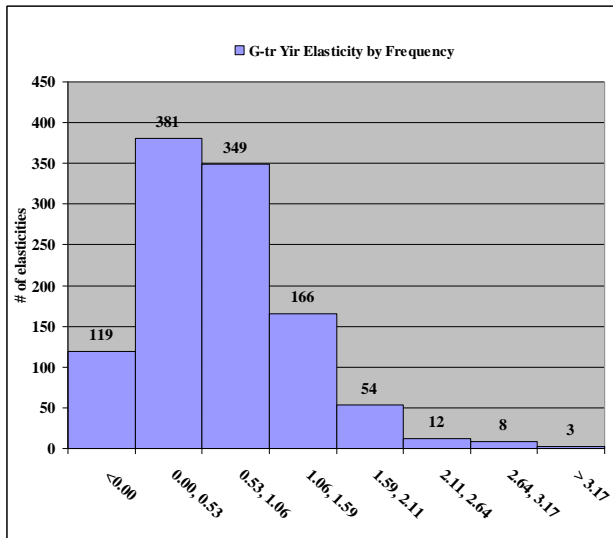
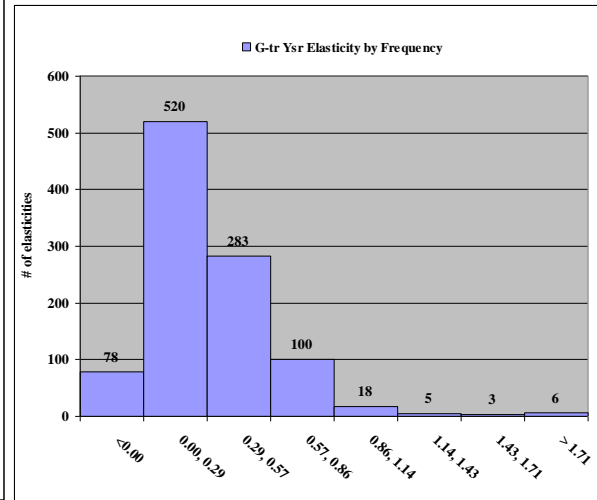
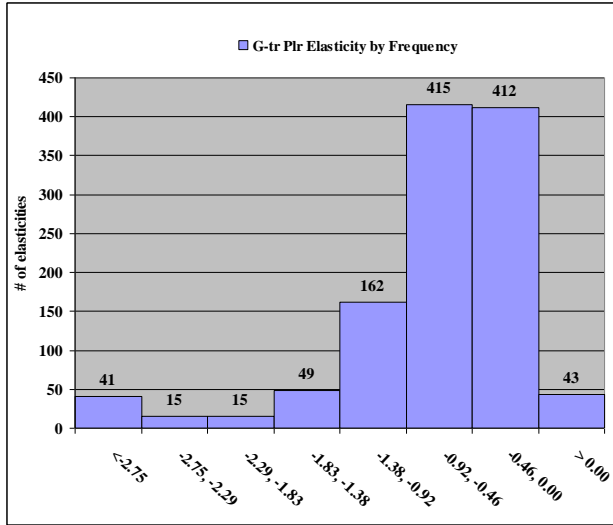
**Table 1 DEDD Summary Statistics for Gasoline Demand**

		Psr	Pir	Plr	Ysr	Yir	Ylr
<b>G</b>	<b>Avg</b>	-0.18	-0.57	-1.61	0.28	0.51	1.57
<b># Studies</b>	<b>Median</b>	-0.15	-0.34	-0.55	0.24	0.57	0.79
<b>247</b>	<b>Std</b>	0.16	2.06	6.37	0.34	2.75	5.38
<b># Estimates</b>	<b>Min</b>	-1.65	-44.80	-61.11	-2.63	-79.89	-40.00
<b>2365</b>	<b>Max</b>	0.63	21.77	5.89	3.00	5.54	38.89
	<b>Count</b>	1080	1116	1152	1013	1092	1100

Histograms are shown in Figure 1

**Figure 1 Histograms of Elasticities for Gasoline Demand (G)**





## Diesel Demand

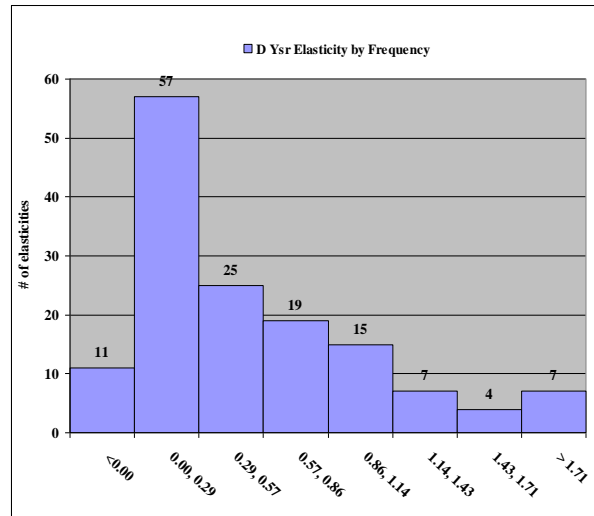
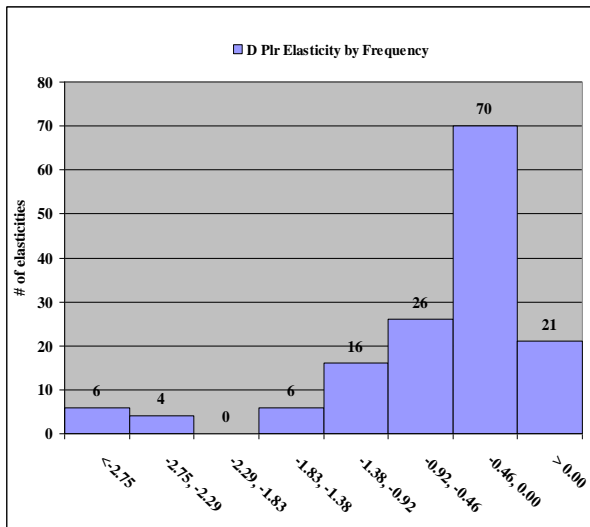
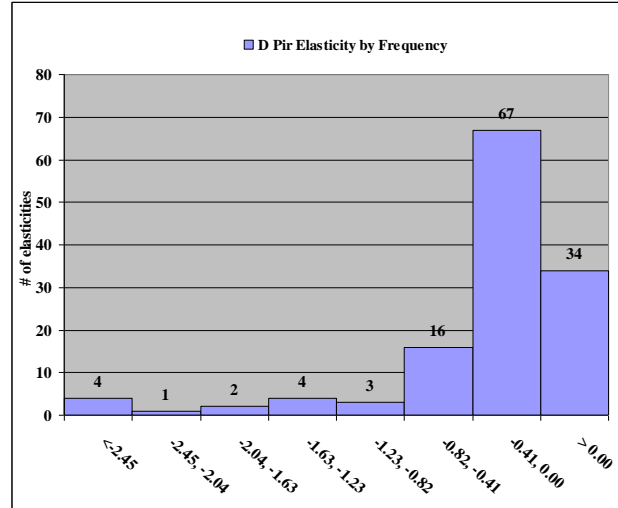
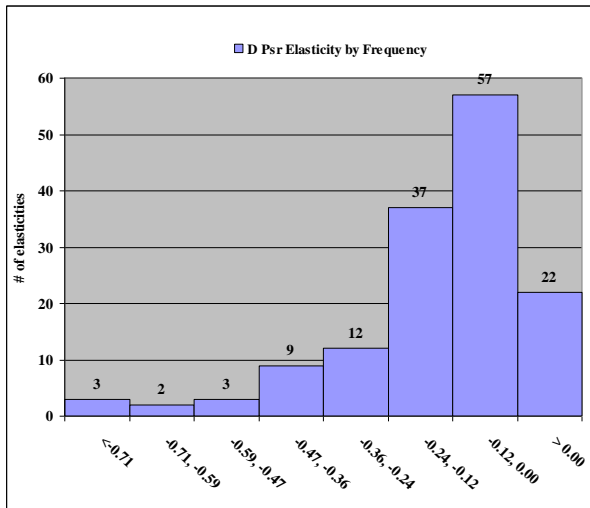
I have found 63 studies for diesel demand with 343 estimates for around 62 countries and some cross-section time-series of countries. Summary statistics are shown in Table 2. DEDD median elasticities are well behaved and show less elastic price response than for gasoline and more elastic income response. Histograms of all studies follow.

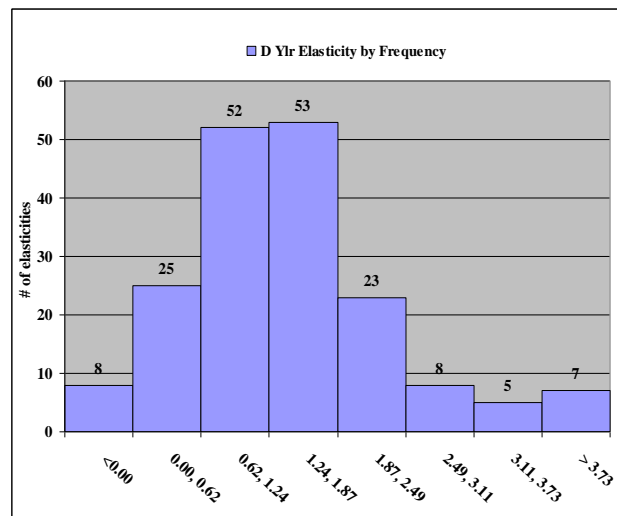
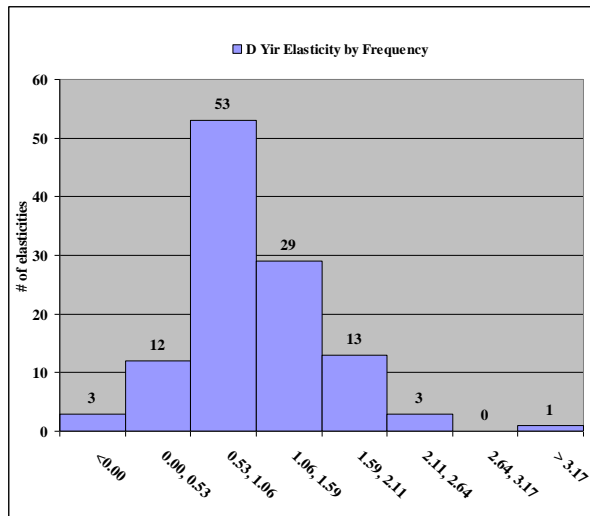
**Table 2 DEDD Summary Statistics for Diesel Demand**

		Psr	Pir	Plr	Ysr	Yir	Ylr	Qt-1
<b>D</b>	<b>Avg</b>	-0.11	-0.23	-0.65	0.53	1.06	1.56	0.66
<b># Studies</b>	<b>Median</b>	-0.10	-0.16	-0.33	0.33	1.00	1.29	0.66

<b>63</b>	<b>Std</b>	0.30	0.82	1.85	0.60	0.52	1.80	0.40
<b># Estimates</b>	<b>Min</b>	-0.94	-4.06	-20.00	-0.93	-0.49	-1.40	-0.13
<b>343</b>	<b>Max</b>	2.13	4.03	2.29	3.32	3.27	18.62	4.36
	<b>Count</b>	144	131	148	144	114	180	159

**Figure 2 Histograms of Elasticities for Diesel Demand**





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