

Table 2: Index values and estimated coefficients of variation (CVs) from alternative approaches to developing YOY indices.

Bocaccio	sum antilog ANOVA		antilog sums ANOVA		Delta-GLM		VAST	
	Index	CV	Index	CV	Index	CV	Index	CV
2004	6.878	0.172	1.405	0.256	11.622	0.318	703	0.504
2005	7.216	0.171	1.724	0.237	7.193	0.318	2484	0.364
2006	6.471	0.17	0.987	0.228	2.831	0.46	97	0.75
2007	6.739	0.17	1.227	0.243	8.368	0.349	641	0.499
2008	6.613	0.17	1.115	0.246	8.705	0.355	1377	0.721
2009	6.852	0.171	1.414	0.286	7.692	0.413	1493	0.498
2010							3549	0.54
2011							184	0.791
2012							989	0.887
2013	9.556	0.166	5.94	0.299	21.754	0.378	71157	0.554
2014	7.327	0.169	2.023	0.321	5.458	0.367	5945	0.436
2015	8.481	0.166	4.521	0.251	9.523	0.302	9366	0.33
2016	6.43	0.174	2.333	0.555	9.169	0.438	5430	0.433

Blue/Deacon	sum antilog ANOVA		antilog sums ANOVA		Delta-GLM		VAST	
	Index	CV	Index	CV	Index	CV	Index	CV
2001	6.104	0.279	2.659	0.503	5.482	0.299	2288	0.436
2002	10.024	0.278	12.423	0.495	8.912	0.257	13937	0.289
2003	7.327	0.278	4.685	0.488	6.674	0.244	5729	0.387
2004	8.946	0.278	13.53	0.469	16.367	0.26	18113	0.291
2005	5.97	0.28	2.306	0.473	3.718	0.279	4132	0.311
2006	5.119	0.278	1.16	0.464	1.421	1.553	542	0.855
2007	5.218	0.277	1.274	0.461	4.456	0.375	420	0.52
2008	5.177	0.279	1.225	0.477	2.034	0.526	192	0.629
2009	5.534	0.275	1.683	0.466	3.278	0.314	2129	0.29
2010							1240	0.769
2011	6.283	0.281	3.102	0.5	7.909	0.42	1913	0.557
2012							542	0.855
2013	18.645	0.272	305.436	0.712	22.066	0.328	64142	0.203
2014	7.316	0.271	7.709	0.685	5.221	0.361	5002	0.352
2015	5.129	0.235	1.182	0.637	4.703	0.428	1340	0.54
2016	5.526	0.385	0	0	4.995	0.549	12412	0.475

Yellowtail	sum antilog ANOVA		antilog sums ANOVA		Delta-GLM		VAST	
	Index	CV	Index	CV	Index	CV	Index	CV
2004	5.575	0.314	13.624	0.33	18.472	0.316	14765	0.283
2005	3.892	0.314	1.62	0.333	5.669	0.328	1756	0.357
2006	3.518	0.313	1.214	0.327	1.531	0.72	45	1.078
2007	3.442	0.314	1.159	0.325	1.7	0.69	57	1.057
2008	3.846	0.314	2.239	0.335	4.341	0.324	4280	0.485
2009	3.732	0.31	1.884	0.328	4.354	0.315	3663	0.654
2010							129	0.993
2011	3.726	0.315	1.52	0.35	2.866	0.563	585	0.984
2012							129	0.993
2013	4.477	0.238	12.694	0.487	10.366	0.42	20243	0.474
2014	4.167	0.236	8.213	0.471	8.912	0.444	7323	0.359
2015	2.689	0.21	1.041	0.442	3.315	0.645	1957	0.577
2016	2.954	0.29	0	0	4.603	0.614	42874	0.432

Shortbelly	sum antilog ANOVA		antilog sums ANOVA		Delta-GLM		VAST	
	Index	CV	Index	CV	Index	CV	Index	CV
2004	2.602	0.827	10.099	0.67	11.849	0.666	6091	0.467
2005	8.011	0.854	106.005	0.592	55.807	0.528	157359	0.303
2006	2.04	0.812	3.018	0.578	4.066	0.863	1962	0.576
2007	3.625	0.837	17.624	0.64	18.742	0.62	18509	0.406
2008	2.416	0.81	6.573	0.636	8.838	0.739	7666	0.352
2009	4.676	0.825	79.865	0.826	13.902	0.61	32000	0.402
2010	3.323	0.9	27.044	0.853	12.817	0.931	62008	0.412
2011							7550	1.186
2012							7550	1.186
2013	104.757	1.662	85988.419	0.794	138.074	0.437	1526456	0.287
2014	10.426	1.667	1792.581	0.9	13.662	0.525	214435	0.388
2015	12.477	1.624	4677.989	0.68	15.331	0.45	697206	0.295
2016	8.375	0.468	20330.549	0.838	19.365	0.595	416177	0.366